



Metcalf Energy Center

September 15, 2003

Mr. Steve Munro, Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA 95814

**Subject: Metcalf Energy Center 99-AFC-3
Monthly Compliance Report #23, August 1 – August 31, 2003**

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report) and Compliance Matrix for the Metcalf Energy Center. This report is for the period from August 1 – August 31, 2003.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (408) 361-4830.

Sincerely,

Kristen O'Kane
Environmental Compliance Manager
METCALF ENERGY CENTER

Enclosures

cc: Michael Argentine, Calpine
Nick LaPorte, Calpine
Sam McIntosh, Calpine
Document Control, Calpine
Don Wimberly, Willdan

**Metcalf Energy Center
99-AFC-2**

**Monthly Compliance Report #23
August 1 – August 31, 2003**

1. Project construction status

Circulation Water Pipe: Maintained the grout lining of the circulation water pipe.

Excavation: No major excavation was completed during the month.

Material Preservation: The combustion turbines and related equipment stored on site were inspected for long-term preservation.

Engineering: The engineering progress is approximately 92% complete. Engineering continues to support construction and preparation of subcontract packaging needs.

1) The following documents were issued by Burns and Roe Enterprises, Inc.:

- Issued the following documents to CBO for approval:
 - Design package for BOP Electrical/Control Building
 - Drawings for STG Platform Area

2) Engineering Tasks:

- Burns and Roe continued to support construction effort
- Drawings for Iso-Phase Bus Support Foundations
- Reviewed final drawings for Isolated Phase Bus Duct
- Reviewed PDC MCC data sheets and Non-Seg Bus Drawings
- Coordinated grounding with Switchyard Engineer
- Issued for Bid – Gauges and Meters specifications
- Started development of Air Evacuation piping
- Completed development of Hydraulic Piping

3) Major Equipment

- The following equipment are in the bid process:
 - a) Fire pump system
 - b) Shop fabricated tanks
 - c) CEMS
 - d) Misc. horizontal pumps
 - e) Closed cooling water heat exchangers
 - f) Compressed air system

Activities planned for next month

Foundations: Working on contract for installation of the foundations. The foundation contractor will mobilize the site.

Earthwork: Grading of the trailer park area will begin. Will mobilize additional equipment for underground mechanical and duct bank installation.

Underground Piping: Underground piping contractor will mobilize to site.

Underground Electrical: Underground duct bank contractor will mobilize to site.

Material Preservation: Parts will continue to arrive on site for the Steam Turbine Condenser.

Engineering:

- **General**
 - Continue to review vendor drawings for CTGs, STG, Condenser, HRSGs, Cooling Tower, major pumps, water treatment system, PDC, Iso-Phase Bus and other equipment
 - Continue to support construction
 - Support Switchyard subcontractor's design development
- **Mechanical**
 - Issue Specialties Specification for Bid
 - Issue Hydraulic Piping isometrics
 - Issue Air Extraction and Auxiliary Steam Piping Isometrics
 - Revise Underground Piping
 - Work on System Descriptions
- **Civil /Structural/Architectural**
 - Issue STG Platform Architectural Package
 - Work on Ammonia Storage area Dike foundation
 - Issue CTG sound enclosure package
- **Electrical**
 - Ongoing review of PDC vendor drawings
 - Issue Hazardous Classification and Layout drawings
 - Continue with Switchyard Interface Coordination
 - Work on wiring diagrams and ICAMS
 - Issue Cable Specification
- **Instrumentation:**
 - Continue to review and comment on P&IDs
 - Issue Instrument specification for purchase
 - Issue for Review Plant Instrument List
 - Work on Fuel Gas System Changes

MEC Litigation Update

1. STCAG lawsuit against the City: recycled water line (Pending)
 - a. STCAG has sued to stop the City's construction of its preferred waterline route.

- b. Hearing was held 6/20/02. Court rendered a decision in favor of City and Calpine.
- c. STCAG appeal brief was filed in December. Calpine, the City of San Jose and the Santa Clara Valley Water District all filed responses. The CEC filed an amicus brief. STCAG has now filed a reply. Once a brief is filed, the Court can set the hearing at any time thereafter.
- d. *STCAG has requested that a date be set for Oral Argument and the Court will determine a date.*

2. STCAG lawsuit against BAAQMD: San Francisco Superior Court (Pending)

- a. STCAG challenged the Bay Area Air Quality Management District (BAAQMD) issuance of the PSD permit.
 - i. The case was filed on 9/9/02 and served on 9/17/02.
 - ii. Calpine and the BAAQMD are filing Demurrers (motions to dismiss) on or about October 17, 2002.
 - iii. Hearing dates will be set thereafter.
 - iv. BAAQMD late filed its request for Demurrer. The parties had a telephonic meet and confer to set dates for filing of STCAG's first amended complaint, which was filed on November 8, 2002. Awaiting court order regarding leave to amend. Expect CEC, BAAQMD, and Calpine Demurrer to first amended complaint to be filed on or about 11-22-02.
 - v. Demurrers were filed by Calpine, the CEC and the BAAQMD on November 26, 2002.
 - vi. December 19, 2002 hearing continued to January 2, 2003.
 - vii. January 2, 2003 hearing: Superior Court issues oral order granting MEC's Demurrer without leave to amend. Order and notice of judgment in favor of MEC, the BAAQMD, and the CEC currently being drafted by BAAQMD.
 - viii. The Proposed Order was sent to the Judge to be signed on February 19, 2003.
 - ix. The Order was signed by the Judge on February 27, 2003 and filed with court on March 3, 2003.
 - x. Possible Appeal to the 1st Dist. Ct. of Appeals
 - xi. Notice of Appeal was filed on April 28, 2003
- b. First District Court of Appeals
 - i. On April 28, 2003, STCAG filed their Notice of Appeal, announcing their intent to file suit challenging the San Francisco Superior Court's decision.
 - ii. On June 11, 2003, the Appeals Court sent a notice that the Reporter's transcript on appeal has been completed and certified to the Court of Appeal. Pursuant to the Notice, we are waiting for a briefing schedule from the Court.

- iii. On June 16, 2003, the Appeals Court sent a notice stating that Appellants' opening brief will be due 30 days from the date of the letter, or July 16, 2003.
- iv. On July 11, 2003, Appellants filed a Motion for Extension of Time to File Brief.
- v. On July 14, 2003, the Appeals Court granted Appellants' Motion for Extension until August 14, 2003.
- vi. *No Change.*

2. Documents required to be submitted with Monthly Compliance Report

CONDITION	SUMMARY
AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	There were no ultra low sulfur diesel fuel receipts in August.
AQ-52	Off-road diesel fired equipment usage lists attached.
BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	WEAT training was not presented to any personnel.
CUL-5	WEAT training was not presented to any personnel.
CUL-7	No construction was conducted during the month and therefore no weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training was not presented to any personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside the local regional area is attached.
SOIL&WATER-1	Gallons of well water used during the month of August = 28,723.
GEN-2	Updated drawing list available upon request.
GEN-3	No CBO payments made in August.
TRANS-1	Three oversize/overweight permits were obtained in August.

3. Compliance matrix

A Compliance Matrix is attached.

4. Conditions that have been satisfied during the reporting period (CBO submittals and approvals can be found in #12)

CUL-3	Submitted a revised Cultural Resources Monitoring and Mitigation Plan.
VIS-5	Submitted Monterey Road landscaping plans.
GEN-4	Submitted CBO approvals of replacement Resident Engineer.
GEN-5	Submitted CBO approvals of responsible engineers.

5. Submittal deadlines not met

- VIS-1: A response to CEC comments on cooling tower color submittal pending. The response will be included in the VIS-9 submittal (below).
- VIS-9: A response to CEC comments on architectural treatment pending. Revisions to visual simulations are in progress. Anticipate submitting a revised treatment plan within the next month.

6. Approved COC changes

- A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.
- An amendment was approved on 8/28/02 to allow the originally certified 10.2-mile recycled water line to be replaced with a 1000-foot lateral interconnection line of the same capacity.

7. Filings or permits with other agencies

None.

8. Projection of project compliance activities for next two months.

CONDITION	SUMMARY
AQ-48	Will follow dust mitigation measures.
AQ-49 and 50	Dust will be monitored and activities recorded.
CUL-5	Training will be provided as needed.
CUL-7	Will submit weekly schedule to resource specialists.
CUL-8	Cultural specialist will perform required duties when necessary.
CUL-9	Cultural specialist will perform required duties when necessary.
CUL-16	Will submit resume of additional Native American monitor.
CUL-19	Will submit a Cultural Resources Assessment and Pedestrian Survey of the Potable Water Line Route.
BIO-2	Biologist will perform required duties when necessary.
BIO-6	Training will be provided as needed.
PAL-3	Training will be provided as needed.
PAL-4	Paleo specialist will perform required duties when necessary.
VIS-9	Will respond to CEC comments on architectural treatment.
LAND-3	Will provide notification that eastern and southwestern equipment boundaries have been marked and are ready for inspection.
LAND-10	Will submit letter on status of compliance.
SOIL&WATER-2 and 3	Will submit storm water pollution prevention plan and erosion control plan for construction of the sewer line and potable water line.
SOIL&WATER-8	Will submit letter on status of compliance.

9. Additions to on-site compliance file

- Silt fence inspection logs
- Straw bale and wattle inspection logs
- Erosion and sediment control inspection logs
- Water truck (dust control) logs
- Biological monitor daily logs
- WEAT training logs
- Daily logs (fugitive dust and public road inspections)

10. Requests to dispose of items in compliance file

None

**11. Listing of complaints, notices of violations, official warnings, and citations
Listing of calls received on MEC public information line**

None.

12. List of facility design submittals, comments and approvals to CBO

Submittal matrix attached. CBO comments received during the month are attached.

CBO Approvals:

- GEN-5 & TSE-1, Switchyard Structural Engineers
- GEN-5, Architectural Screen Wall – Structural Engineer
- GEN-5, Gas/Linears Responsible Design Engineers
- GEN-4, Resident Engineer Transition
- STRUC-1, CTG Containment Trench, 1 Calculation and 2 Drawings
- STRUC-1, STG Transformer Foundation, 1 Calculation and 4 Drawings
- STRUC-1, Station Service Transformer Foundation, 1 Calculation and 2 Drawings
- STRUC-1, Station Service Transformer Foundation, 1 Calculation, 2 Drawings, and 1 Letter

CONDITION OF CERTIFICATION AQ-48
SUMMARY OF FUGITIVE DUST MITIGATION ACTIVITIES

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

Summary of monthly activities related to the Fugitive Dust Control Plan:

The site was monitored daily for fugitive dust and for tracked material onto public roads. Logs are kept on file as part of the Storm Water Pollution Prevention Plan. The following activities were employed during the month of August:

- A water truck and operator are on site daily to moisten unpaved areas.
- Hydroseeded areas are well-covered.

CONDITION OF CERTIFICATION AQ-52
OFF-ROAD DIESEL FIRED EQUIPMENT USAGE LISTS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

CK0002800

DATE: August 2003

CONTRACTOR: Sheedy Drayage Co.

This form must be completed before site mobilization and must include all equipment that will be used on site.
**All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2000	Hyster	H280XL	YA70337	120	16 days	11/19/02	N/A	CARB.
Crane		Link-Belt	HTC-8665	D615-3017		2	8/11/03		< 10 days usage

CMM Signature:  Date: 9/4/03

Comments:

RECEIVED
SEP 04 2003
METCALF ENERGY CENTER
ORIGINAL

CONDITION OF CERTIFICATION BIO-2
SUMMARY OF BIOLOGICAL MONITORING

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

**Biological Resources
Mitigation Monitoring for the
Metcalf Energy Center**

MONTHLY COMPLIANCE REPORT #23

August 2003

Prepared by:

CH2M HILL

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METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

August 2003

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INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 1000-foot water pipeline from a tap into a new South Bay Water Recycling Program's (SBWR) pipeline for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) August extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (USFWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during August 2003.

MONITORED MITIGATION MEASURES

Mitigation measures were developed through consultation with USFWS, NMFS, CDFG, San Francisco Bay Regional Water Quality Control Board (Water Board), Corps, and California Energy Commission (CEC) for the MEC project. Compliance with any conditions of the Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during August 2003.

The following conditions described in the USFWS Biological Opinion (BO) remained pertinent to the August monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas.
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features during rain events or other water releases.
- Concrete trucks must be washed within a designated area with a surrounding berm.

All activities complied with conditions described in the NMFS BO. Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will likely occur in the summer 2004.

The Monitor was available throughout the month to respond to biological issues as needed. August activities are described below.

SUMMARY OF ACTIVITIES

No work in sensitive biological resource areas occurred on the MEC main site during August 2003. All work was confined to already disturbed areas at the site. In addition, there were no new employees trained using the Worker Environmental Awareness Training (WEAT) program. A cumulative wildlife species list is included in Appendix A. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

The Biological Monitor remained on call throughout August 2003 to respond to biological issues as needed.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. As required by COC Bio-6 from the CEC *Commission Decision*, all new employees must attend the WEAT program.

No new personnel were received at MEC to undergo WEAT in August. A total of 564 employees have completed WEAT training at MEC through August 2003. Calpine's Site Safety Officer will resume administration of the WEAT training to all new employees. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

GENERAL NOTES AND OBSERVATIONS

Construction of various underground utilities and concrete foundations remains scheduled for September 2003. Unless otherwise needed, the Biological Monitor will remain on call until those activities begin.

Although not reported in July 2003's Monthly Compliance Report, cattle were removed from the Tulare Hill portion of the MEC Ecological Preserve on July 14, 2003. The removal timing was consistent with the project's resource management plan for the MEC Ecological Preserve. The cattle will likely be released back onto Tulare Hill late 2003 or spring 2004 when the growing season for non-native grasses begins.

APPENDIX A

**Cumulative Wildlife Species Observed In or Near the
Project Area**

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to August 31, 2003)**

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	<i>Euphydryas editha</i> spp. <i>Bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zellicon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Eurypelma californicum</i>	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
BIRDS		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea herodias</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
Location:		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
EC = Metcalf Energy Center Plant Site		TL = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Water Line Corridor
GP = Gas Pipe Line Corridor		LEA = Laydown expansion area
LA = Laydown Area		
Notes:		
* Flyover or otherwise not utilizing area resources.		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to August 31, 2003) (Continued)**

Common Name	Scientific Name	Location
BIRDS (continued)		
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion haliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaidura macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, FC**(nest), EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Cliff swallow	<i>Petrochelidon pyrrhonotta</i>	FC, FC**(nest), EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Chestnut-backed chickadee	<i>Poecile rufescens</i>	FC
Bushtit	<i>Psaltriparus minimus</i>	EC, FC, FC**(nest), GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
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GP = Gas Pipe Line Corridor		LEA = Laydown expansion area
LA = Laydown Area		
Notes:		
* Flyover or otherwise not utilizing area resources.		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to August 31, 2003) (Continued)**

Common Name	Scientific Name	Location
BIRDS (CONTINUED)		
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA
American robin	<i>Turdus migratorius</i>	LA, EC, CC
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC
Western kingbird	<i>Tyrannus verticalis</i>	CC
European starling	<i>Sturnus vulgaris</i>	LEA, FC, EC
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA, FC
Yellow-rumped warbler	<i>Dendroica magnaolia</i>	TH, FC, CC
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC
Bullock's oriole	<i>Icterus bullockii</i>	FC, FC**(nest), CC
House finch	<i>Carpodacus mexicanus</i>	EC, LA**, CC, FC
American goldfinch	<i>Carduelis tristis</i>	LEA
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH
House sparrow	<i>Passer domesticus</i>	EC, FC, CC
MAMMALS		
Common raccoon	<i>Procyon lotor</i>	FC**(track)
Striped skunk	<i>Mephitis mephitis</i>	TH**(track)
Opossum	<i>Didelphis marsupialis</i>	EC
Coyote	<i>Canis latrans</i>	TH
Feral cat	<i>Felis catus</i>	EC
Bobcat	<i>Lynx rufus</i>	CC**(carcass)
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL
Western gray squirrel	<i>Sciurus griseus</i>	FC
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Notes:		
* Flyover or otherwise not utilizing area resources.		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to August 31, 2003) (Continued)**

Common Name	Scientific Name	Location
MAMMALS (CONTINUED)		
Valley pocket gopher	<i>Thomomys bottae</i>	LA** (carcass)
California vole	<i>Microtus californicus</i>	FC, EC
Deer mouse	<i>Peromyscus maniculatus</i>	TH
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC, TH
Feral pig	<i>Sus scrofa</i>	CC** (carcass)
Mule (black-tailed) deer	<i>Odocoileus hemionus</i>	FC, GP, CC
Location:		
CC = Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Preserve	
EC = Metcalf Energy Center Plant Site	TL = Transmission Line Corridor	
FC = Fisher Creek Riparian Corridor	WL = Water Line Corridor	
GP = Gas Pipe Line Corridor	LEA = Laydown expansion area	
LA = Laydown Area		
Notes:		
* Flyover or otherwise not utilizing area resources.		
** Non-active sign (i.e. carcass, feather, nest, track)		

CONDITION OF CERTIFICATION PAL-4
PALEO MONTHLY SUMMARY REPORT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

**Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program**

Monthly Report

Project Name: Metcalf Energy Center (MEC)

Project Number: 01-17

Clients: Calpine/CH2M Hill

Month: August 2003

Designated Paleontological Resource Specialist: Dr. Lanny H. Fisk, PhD, RG

Monthly Report for August 2003:

During the month of August 2003, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through their environmental consultants, CH2M Hill, to mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In its Conditions of Certification (COCs) for MEC, the California Energy Commission (CEC) mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. In compliance with SVP standard guidelines, in September 2002 we recommended reducing paleontological monitoring at the MEC plant site to only spot checking specific deep excavations that would impact previously undisturbed sediment. The CEC approved this reduced monitoring plan.

During August 2003, since there were no deep excavations needing to be spot checked at the MEC plant site and no ground-disturbing activities along the right-of-way of linear facilities, no paleontological monitoring was performed.

Excavations for the natural-gas pipeline, cooling-water pipeline, and electrical transmission line are not scheduled to start until later this summer. Full-time paleontological monitoring will be done at the beginning of excavations for each of these linear facilities. Then, in compliance with SVP standard guidelines, once one-half the excavations for each of these facilities is completed, if no significant fossils have been discovered, monitoring will be reduced to half-time, quarter-time, spot-checking, or suspended entirely. As startup of construction for these portions of the project nears, Calpine will contact PRC with specific dates.

Calpine Environmental Compliance Manager Kristen O'Kane continues to notify us regarding any scheduled excavations that would impact previously undisturbed sediments, asking if we think that paleontological monitoring is necessary. In most cases, since these excavations would only impact a few feet of undisturbed sediments and since paleontological resources have not previously been discovered at such shallow depths at MEC, we have responded that, in our professional opinion, no monitoring is necessary. However, PRC paleontological monitors are available and "on-call" to monitor or spot check any deeper excavations at the MEC plant site or other earth-moving activities related to the MEC project.

CONDITION OF CERTIFICATION SOCIO-1
LIST OF PLANNED PROCUREMENT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

Material/equipment	Manufacturer	Point of Origin	Reason
Sample panel for water treatment system	Out for bid		
Compressed air system	Issued for bid		
Miscellaneous horizontal pumps	In bid preparation		
Closed cooling water heat exchanger	In bid preparation		
Continuous emissions monitoring system	In bid preparation		
Oil and water separator	In bid preparation		
Standby generator	In bid preparation		
Fire pumps	In bid preparation		
Shop fabricated tanks	In bid preparation		

COMPLIANCE MATRIX

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT**

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/17/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1 and S-3 GTs; and S-2 and S-4 HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-2	Tune combustors of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-3	Install, adjust, and operate A-1 and A-2 SCR Systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs)	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-4	With steady-state operation of A-1 & A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-5	Submit plan to DPSD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan	28 days prior to first fire of Gas Turbines				
AQ-6	Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GT's and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report				
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM	Monthly Compliance Report				
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GT's and HRSGs during the commissioning period shall accrue towards the consecutive 12-month emission limitations.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report				
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: NOx = 4805; CO = 11,498; POC = 495; PM10 = 468; SO2 = 42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	20 working days before the execution of the source tests, submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	20 days prior to source test per AQ-12				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Source test results shall be submitted to the District and the CEC CPM within 30 days of the source testing date.	Within 30 days of source tests per AQ-12 complete				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-13	GTs (S-1, S-3) and HRSG (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO2 and PM10)	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semiannual Air Quality Reports				
AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average) (PSD for NOx)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this hourly limit.	Monthly Air Quality Reports				
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this daily limit.	Monthly Air Quality Reports				
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs (S-2, S-4) shall not exceed 35,274,060 MMBtu/yr. (Offsets)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit.	Annual Air Quality Reports				
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NOx)	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports				
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports				
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports				
AQ-20(a)	Emission requirements: Emission Point P-1 NOx = 19.2 lbs/hr (0.00904 lbs/MMBtu (HHV) of nat. gas fired) ; Emission Point P-2 NOx = 19.2 lbs/hr (0.00904 lbs/MMBtu (HHV) of nat. gas fired) .	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.	Semiannual Air Quality Reports				
AQ-20(b)	NOx Emission concentration = 2.5 ppmvd (corrected to 15% O2), 1-hr average (Emission Point P-1, P-2) (BACT for NOx).	Same as above	Semiannual Air Quality Reports				
AQ-20(c)	CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg.), (Emission Point P-1, P-2). When the heat input to a CT exceeds 1700 MMBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lb/MMBTU at any 3-hr rolling average.	Same as above	Semiannual Air Quality Reports				
AQ-20(d)	Ammonia (NH3) emission concentration shall not exceed 5 ppmvd on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semiannual Air Quality Reports				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-20(f)	Precursor organic compounds (POC) mass emissions (as CH4) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(g)	Sulfur dioxide (SO2) mass emissions at P-1, P-2 each shall not exceed 1.28 pounds per hour or 0.0006 lb /MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports				
AQ-20(h)	PM10 mass emissions at P-1, P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1, P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports				
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates	Same as above	Semiannual Air Quality Reports				
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time.	In the monthly compliance report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-23	HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Semiannual Air Quality Reports				
AQ-24	Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-25	Cumulative combined emissions in tons/any consecutive 12-month period, from GTs and HRSGs shall not exceed Nox = 123.4 (offsets), CO=586, POC=28 (offsets), PM10=91.3 (offsets), SO2=10.6 (cumulative increase).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-26	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4): (a) formaldehyde = 3.796 lbs/yr (b) Benzene = 480 lbs/yr (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-26	Perform health risk assessment using emission rates per BAAQMD approved procedures and submit risk analysis to District and CPM.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation or submit risk analysis to District and CPM.	Within 60 days of source test date				
AQ-27 (a-d)	Demonstrate compliance with conditions 14-17, 20(e), 21, 22, 24(a), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters:	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-27(e-f)	Use parameters in condition 27(a-d) and District approved methods to calculate the following: (e) Heat input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point. (P-1, P-2)	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-27(g-h)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-28(e-h)	Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions fine PM10 and SO2 from each power train.	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-29	Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAHs).	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-30	Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	Within 60 days before startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSRG are operating at max load.	Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSRG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSRG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSRG are operating at max load.	Submit source test results to the District and to the CEC CPM.	Within 30 days of the date of the tests				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING							
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup				
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Notify the District's Source Test Section and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s).	7 days prior to testing date(s)				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition. Conduct test.	Execution of the Source Tests within 60 days of startup				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Conduct test.	Within 60 days of startup and on biennial basis thereafter				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.	Within thirty (30) days of conducting the test				
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.	Submit a copy of test protocols at least 90 days before startup.	90 days before startup				
AQ-35	Maintain records and reports on site for a minimum of 5 years.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ Inspection per AQ-35				
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submittal of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions				
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (GTHFRSG stack height).	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer	7/15/02	7/23/02		Submitted
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before Initial Operation	2/1/04			
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 60 days of receipt of the plan, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.	Approval by BAAQMD and CPM after submittal				
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Contact the BAAQMD Technical Services division.	Within 180 days of issuance of Authority to Construct	8/12/02	7/29/02		In progress
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before these contacts are made.	7 days before contacts are made	8/5/02	2/28/02	N/A	Complete
AQ-40	Demonstrate valid ERCs in the amount of 212.75 tons/year of NOx and 28 tons/yr of POC or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2	No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	Within 30 days after issuance of Authority to Construct	3/15/02	2/22/02	N/A	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION THROUGH GRADING			1/7/4/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-41	Provide to District valid ERC banking certificates in the amount of 212.75 tons/yr of NOx and 28 tons/yr of POCs or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCs certificates to the CPM.	30 days prior to start of construction	8/2/02	7/26/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.	Within 12 months of issuance of PSD Permit		1/9/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal (Title V) Operating Permit.	30 days after permit issued				Expect to receive permit in June 2003.
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs.	Submit to the CPM a copy of the application for the Title IV operating permit.	24 months before initial operation		8/1/01		
AQ-44	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	60 days before Initial Operation				
AQ-45	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 60, Subpart GG.	On-site Compliance Inspections				
AQ-46	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer.	30 days prior to installation of Cooling Tower per AQ-46				
AQ-47a	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Monthly Air Quality Reports				
AQ-47b	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation				
AQ-47c	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower				
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval	60 days prior to start of construction	6/12/01	6/12/01	10/12/01	Complete
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report				On-going
AQ-49	During construction owner shall: 1. Prevent or remove within 1-hour the track-out of bulk material onto public paved roads 2. Install and use a track-out control device 3. Minimize fugitive particulate emission. Daily inspections of conditions mandated.	The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.	Start of Construction				On-going
AQ-50	Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	Start of Construction				On-going

METCALF ENERGY CENTER - COMPLIANCE MATRIX									
START OF MOBILIZATION/ROUGH GRADING					START OF CONSTRUCTION				
1/14/2002									
9/1/2002									
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
AQ-51	Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02	7/26/02	N/A	Complete		
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/30/01	8/27/01	9/27/01	Complete		
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.	30 days prior to rough grading	12/15/01	9/7/01	9/27/01	Complete		
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site						
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totalled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports						
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports						
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submittal of final design plans				In progress		
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation						
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report						

As of August 31, 2003

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A. Construction Injury and Illness Prevention Program, A. Construction Fire Protection and Prevention Plan, A. Personal Protective Equipment Program.	Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01 (Bechtel)	2/1/02 (Bechtel)	Resubmitted for Mortenson, OSHA Consultation completed 2/21/02. Submitted OSHA approval of Mortenson Plan 3/12/02.
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A. Construction Injury and Illness Prevention Program, A. Construction Fire Protection and Prevention Plan, A. Personal Protective Equipment Program.	Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/31/01	2/1/02	Response to Fire Depts. comments submitted 4/9/02.
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation				
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan.	30 days prior to start of operation				
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
TLN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line				
TLN-2	Identify and correct any complaints of interference with radio and TV signals from operation of line and facilities.	All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report				
TLN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.	File copies of the pre- and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after completion of measurements				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
TLN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report				
TLN-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Transmit to the CPM a letter confirming compliance with this Condition	30 days prior to energization of transmission line				
HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM.	Provide to the CPM and Santa Clara County, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Annual Compliance Report				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the U.S. EPA.	60 days prior to delivery of Aqueous Ammonia				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	60 days prior to delivery of Aqueous Ammonia				
HAZ-3	Develop and implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-5	Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and approval.	60 days prior to construction of ammonia secondary containment				
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				
HAZ-7	Prepare and implement a pipeline maintenance plan.	Provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of hazardous materials				
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 58 A standards, or any successor standards, and will be designed to meet Class III service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline				
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid				
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60 days prior to receipt of aqueous ammonia on site				
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials				
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A	Complete
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)	Notify via Monthly Compliance Report				
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction	7/3/02	6/12/01, 2/24/03, 5/23/03 (linears)	7/27/01, 3/7/03, 5/29/03 (linears)	Complete for site and linears.
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				

START OF MOBILIZATION/ROUGH GRADING		METCALF ENERGY CENTER - COMPLIANCE MATRIX					
START OF CONSTRUCTION		1/14/2002	9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report				
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity	12/15/01	8/1/2001, 3/12/03	8/16/01	Complete
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional	Within 5 days of filing reports				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	If significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control. Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports				
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction	3/20/02	3/20/02	3/20/02	Complete
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.	Prior to the start of construction	2/21/02	2/21/02	N/A	Complete
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris	9/10/01	9/10/01	10/2/01	Complete
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Monthly Compliance Report				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	Start of Construction of Trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to, submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after completion of trail segment				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report				

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METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
LAND-2	Landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan	30 days prior to start of construction	8/2/02	8/7/02	6/24/03	Complete
LAND-2	The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Notify the CPM that the work has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval.	60 days prior to start of construction	7/30/02	9/20/2001 11/14/01 3/12/02	12/10/2001 3/28/02	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	7/30/02	9/20/2001 3/12/02	N/A (City of San Jose)	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the boundaries are ready for inspection.	Prior to construction of specified facilities and structures		7/23/02 (cooling tower), 7/1/03 (tanks)	10/22/02 (cooling tower)	Complete for cooling tower foundation only.
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" guidelines.	90 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the City of San Jose for review and comment a site plan.	90 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	Commercial Operation				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction	6/3/02	6/12/01	9/14/01	Complete
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials	9/19/01	9/19/01	9/21/01	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures	3/14/02	3/14/02 5/10/2002	7/8/02	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field.	30 days prior to commercial operation				

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START OF MOBILIZATION/ROUGH GRADING							
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPM				Option agreement signed 6/4/02. Will exercise option 45 days prior to construction of gas pipeline.
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be timed to avoid permitted park events.	30 days prior to construction of gas pipeline	4/15/03			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the pipelines in relation to existing orchard trees.	60 days prior to construction of water supply and waste water pipelines	7/1/03	5/23/03	6/18/03	Complete
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	7 days prior to ground disturbing activities related to pipeline construction	11/1/03			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy.	30 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit photographs to the CPM that demonstrates that the topsoil has been kept separate from the subsoil.	7 days after start of trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for backfilling.	7 days prior to backfilling trenches				
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction	7/30/02	9/20/01	10/17/01	Complete
TRANS-1	Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Provide the number of any oversize and overweight transportation permits received during the reporting period.	Monthly Compliance Report				On-going
TRANS-2	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.	Monthly Compliance Report		5/14/02		Caltrans encroachment permit for gas pipeline submitted in April Report.
TRANS-3	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Copies of all permits and licenses acquired concerning the transport of hazardous substances.	Monthly Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX									
START OF MOBILIZATION/ROUGH GRADING									
START OF CONSTRUCTION									
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place, submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete		
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete		
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02		Submitted		
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.	30 days prior to start of site preparation	10/2/01	10/2/2001, 12/9/02, 5/23/03 (linears)	10/24/2001, 7/7/03 (linears)	Complete for site. Complete for linears except gas line.		
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Prior to start of site preparation	11/15/01	8/9/01	8/13/01	Complete		
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Start of ground disturbing activities related to pipeline construction						
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	8/13/01	Complete		
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction						
TRANS-7	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01	10/2/2001, 12/9/02, 5/23/03 (linears)	10/24/2001, 7/7/03 (linears)	Complete for site. Complete for linears except gas line.		
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation	12/31/03					
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.	60 days prior to commercial operation	11/2/04					
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading	12/30/01	10/3/01	N/A	Complete		
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the project manager attesting that the above notification has been performed.	Monthly Construction Report Following the Start of Rough Grading	2/14/02	2/14/02	N/A	Complete		

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START OF MOBILIZATION/ROUGH GRADING					START OF CONSTRUCTION				
1/14/2002									
9/1/2002									
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that notification was sent to all residents within a 1-mile radius of the project.	15 days prior to the commencement of steam blow activity						
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was sent to all residents within a one-mile radius of the project.	Monthly Construction Report Following the Steam Blow activity						
NOISE-2	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint						
NOISE-3	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01	7/27/01	Complete		
NOISE-4	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow						
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey						
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures						
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater.	Thirty days after the facility is operating at an output of 80%						
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	Within 30 days after completing the survey						
NOISE-7	Construction shall be restricted to the hours of: 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m. on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	First Monthly Compliance Report	11/15/02	11/15/02	N/A	Complete		
NOISE-7	The project owner shall implement typical noise source reduction measures such as silencers and acoustical enclosures for HDD.	Submit a plan for approval to the CPM to implement noise reduction measures for HDD.	30 days prior to commencing HDD.						
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that is color treated	8/1/02	8/1/02		Submitted for cooling tower color only. Comments received 8/28/02.		
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification	9/28/02			Comments received 8/28/02. Will re-submit with VIS-9 submittal. See VIS-9 below.		
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation						
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Annual Compliance Report						

METCALF ENERGY CENTER - COMPLIANCE MATRIX									
START OF MOBILIZATION/ROUGH GRADING									
START OF CONSTRUCTION									
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing	6/1/04					
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Within 30 days of receiving notification						
VIS-2	Any fencing for the project shall be non-reflective.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing						
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting.	5/3/03	5/5/03		Submitted, comments received 5/29/03.		
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification	6/30/03	6/24/03		Submitted		
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation						
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	At least sixty days prior to beginning implementation of the surface restoration						
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal.	Within 30 days of receiving notification						
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven days after completing the surface restoration						
Temporary Aesthetic Screen									
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)	Submitted. Comments rec'd from SJ incorporated prior to submittal.		
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	2/15/02 (Aesthetic screen)	Complete for temporary.		
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification	2/12/02	2/12/02	2/15/02	Complete for temporary.		

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION THROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan	7/6/2002 (temporary screen)	7/1/2002 (temporary screen)		Submitted for temporary.
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen				
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification				
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan				
Long-term screen (Monterey Road landscaping)							
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)	Complete
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/2001, 12/18/01, 8/11/03		Revised plan submitted 12/18/01. Received comments 7/31/02. Submitted City of San Jose comments to CEC on 9/26/02.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification	8/30/02			As of 7/31/03, waiting on City of San Jose for signature. Expect to submit City approved plans in August 2003.
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit the plan to the CPM for review and approval and to the City of San Jose for review and comment.	At least sixty (60) days prior to installing the screening	5/1/04			

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING							
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit any required revisions	Within 30 days of notification				
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	The project owner shall notify the CPM when ready for inspection	Within seven days after completing installation of the screening				
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction	6/3/02	6/12/2001, 5/7/2003		Complete
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction	6/3/02	6/12/2001, 5/7/2003		Submitted. Received comments 6/11/03.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within thirty (30) days of notification by the CPM.	7/11/03	6/17/03		Submitted
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within seven (7) days after completing the implementation of the proposed plan				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station	2/1/04			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station	2/1/04			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision within 30 days of notification by CPM.				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of architectural treatment				Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.	At least sixty (60) days prior to the start of architectural treatment	10/2/02	10/2/02		Submitted. Comments received 10/31/02.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM	11/30/02	11/25/02		Submitted. Received comments 2/10/03.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM	3/10/03			Response to comments not yet submitted. Presented to City of San Jose. Waiting for revised simulations. Submittal now anticipated for September 2003.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.	Thirty (30) days prior to the start of commercial operation				
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of construction	7/3/02	9/6/01	N/A	Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.	At least sixty (60) days prior to the start of construction	7/3/02	9/5/01	6/27/03	Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	The project owner shall submit any required revisions.	Within 30 days of notification by the CPM.		9/24/02, 11/6/02, 2/21/03, 5/27/03, 6/6/03, 6/24/03	6/27/03	Complete
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.	Within 30 days of notification by the CPM.				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planting installation is ready for inspection.	7 days after completion of planting installation				
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.	15 days prior to project construction	8/17/02	7/30/02	9/24/02	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING							
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection				
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Obtain CPM approval of the replacement specialist.	10 days prior to termination of Cultural Specialist				
CUL-2	Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the designated cultural resource specialist and the CPM with the maps and drawings.	75 days prior to the start of earth disturbing activities	10/31/01	9/20/01	11/1/01	Complete
CUL-3	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	1/14/01	8/12/2001 8/4/03	12/15/01	Submitted revisions
CUL-4	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01	9/20/01	12/5/01	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	1/21/02	9/29/01 1/29/02	2/10/02	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	Monthly Compliance Report				In progress
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01	7/20/01	8/6/01	Complete
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery				
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/4/02	9/28/01	1/14/02	Complete
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	Monthly Compliance Report				In progress
CUL-8	CRS/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.	Monthly Compliance Report				In progress

METCALF ENERGY CENTER - COMPLIANCE MATRIX									
START OF MOBILIZATION/ROUGH GRADING					START OF CONSTRUCTION				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
CUL-9	Except in the areas specified in CUL-3(f), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.	Monthly Compliance Report				In progress		
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.	Monthly Compliance Report		3/14/03		Submitted in March 2003 MCR.		
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity						
CUL-11	Ensure that the CRS performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists.	Periodic Audit by the CPM						
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPM for review and written approval.	7 days after completion of the proposed scope of work.						
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work.	Completion of Data Recovery per CUL-12						
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPM for review and written approval.	Ensure that the designated cultural resource specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work						
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPM for review and written approval.	Within seven (7) days after completion of the report						
CUL-14	Submit an original, an original-quality copy, and a computer disc copy, of the CPM-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, with copies to the State Historic Preservation Officer (SHPO), the appropriate regional archaeological information center(s), and a person employed by the City of San Jose who is authorized to receive confidential cultural resources information.	Provide to the CPM documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report						
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensure that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPM-approved Cultural Resources Report to the entities						
CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).	Provide the CPM with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/8/01	8/15/01	Complete		
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG&E metering station.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.	Monthly Compliance Report				Gas line plan submitted 3/4/03. Plan for sewer and potable lines in progress.		

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
CUL-18	Comply with CUL-1, CUL-4 and CUL-5. Comply with CUL-2 and CUL-3 for the entire project. CRS shall examine the area of initial project site mobilization.	Provide the CPM with information authored by the CRS identifying the area of initial site mobilization.	7 days prior to site mobilization	1/7/02	10/2/01	12/15/01	Complete
CUL-19	If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	90 days prior to start of construction of wells	10/1/03	7/1/03		Submitted
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contractor, subcontractor, and vendor solicitations and guidelines staffing hiring and procurement requirements and procedures.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01	Complete
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	Monthly Compliance Report				In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee as required at the time of filing.	At Time of Filing				
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid				
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01	Complete
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable				
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report				In progress
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report				
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.	Within 2 working days of notification of non-compliance				
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide the CPM with the final version of the BRMIMP.	45 days prior to start of ground disturbance	11/30/01	7/23/01	8/30/01	Complete
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide to the CPM for review and approval, a written report identifying which items of the BRMIMP have been completed.	30 days after construction complete				

METCALF ENERGY CENTER - COMPLIANCE MATRIX									
START OF MOBILIZATION/ROUGH GRADING					START OF CONSTRUCTION				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
BIO-5	Develop the riparian corridor planting plan for inclusion into the BRMIMP.	Provide to the CPM for review and approval the riparian restoration plan.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01	Complete		
BIO-6	Develop WEAT for biological resources.	State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	Monthly Compliance Report				In progress		
BIO-6	Develop WEAT for biological resources.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 3/13/02 (video)	Complete		
BIO-7	Acquire a SAA from CDFG.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration disturbances		9/30/02 (outfall)		In progress		
BIO-8	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Submit to the CPM a copy of the USFWS Biological Opinion.	45 days prior to the start of ground disturbance	11/30/01	7/23/01	7/27/01	Complete		
BIO-9	Provide a final copy of the Nationwide No. 7 permit.	Submit to the CPM a copy of the Nationwide No. 7 permit.	30 days prior to the start of any streambed alteration	8/1/02	8/14/02		Submitted		
BIO-10	Provide 116 acres of land on Tulare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Provide to the CPM for approval, the name of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbance activities	1/21/02	2/26/02		Submitted		
BIO-11	Develop a suitable final habitat management and monitoring plan for lands purchased on Tulare Hill and Coyote Ridge.	Provide the CPM with the final approved version of the management plan. Incorporate into BRMIMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	7/9/01	Complete		
BIO-12	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMIMP.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure						
BIO-13	Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.	Provide the CPM with the location, date(s), methods(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	10/17/01	Complete		
SOIL & WATER-1	Disinfected, tertiary-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes and other appropriate non-potable uses.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete						
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Monthly Compliance Report				In progress for construction		
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Annual Compliance Report						
SOIL & WATER-1	Provide a firm commitment for its construction water supply.	Submit commitment to CPM.	30 days prior to the start of construction	8/2/02	12/5/01	12/28/01	Complete		
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site		
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any cleaning, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	10/18/01	Complete for project site		

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-4	Obtain SCVWD approval for all activities within floodways or upon or within the banks of watercourses.	Obtain SCVWD approval.	30 days prior to ground disturbance	12/15/01	8/31/01, 1/2/02, 12/2/02, 2/12/03, 7/2/03	1/25/02	Complete
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP).	60 days prior to commercial operation				
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).	2 weeks prior to commercial operation				
SOIL & WATER-6	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Provide the CPM a copy of a valid Industrial Discharge Permit.	45 days prior to commercial operation				
SOIL & WATER-7	Obtain a Section 401 Certification from the San Francisco RWQCB.	Submit to the CEC CPM a copy of the Section 401 Certification.	30 days prior to the start of any streambed alteration activities	5/1/03	12/02/02 (outfall)		Complete for outfall
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions.	30 days prior to construction of wells				
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	30 days after completion of wells				
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction	8/2/02	8/24/01	10/1/01	Complete
GEO-1	Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).	30 days prior to start of construction	8/2/02	7/27/2001 1/28/02	N/A	Complete
GEO-1	Assign to the project an engineering geologist(s).	Notify CPM of replacement of Engineering Geologist.	Replacement of Engineering Geologist	1/28/02	1/28/02	2/6/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit Grading Permit Application	Application for Grading Permit per GEO-2	1/1/02	1/1/02	4/4/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO.	15 days after submittal of application	1/26/02	1/14/02	1/24/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	90 days following completion of Final Grading				
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	90 days prior to start of construction	6/3/02	7/26/01	7/27/01	Complete
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	10 days prior to termination or release of PRS				

METCALFE ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING				START OF CONSTRUCTION			
1/14/2002				9/1/2002			
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
PAL-2	Prepare Paleontologic Resources Monitoring and Mitigation Plan.	Provide the CPM with a copy of the Monitoring and Mitigation Plan.	60 days prior to start of construction	6/12/01	6/12/01	7/27/01	Complete
PAL - 3	WEAT for paleo resources.	Submit to the CPM for review, comment, and written approval, the WEAT.	30 days prior to start of construction	9/20/01	9/20/01	10/3/2001 3/20/02 (video)	Complete
PAL-3	WEAT for paleo resources.	Documentation for training of additional new employees.	Monthly Compliance Report				In progress
PAL-4	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report				In progress
PAL-5	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5				
PAL-6	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval.	Within 90 days following completion of the analysis				
PAL-7	Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include a description of closure activities in the facility closure plan.	Facility Closure Plan				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.	Within 30 days after receipt of the Certificate of Occupancy.				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.				
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	60 days prior to start of rough grading	11/15/01	10/4/01	10/18/01	Complete
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report				
GEN-3	Make payments to the CBO for design review, plan check, and construction inspection.	Make the required payments to the CBO at the time of submittal.	Submittal of plans to the CBO.				In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CBO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A	In progress
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX									
START OF MOBILIZATION/ROUGH GRADING					START OF CONSTRUCTION				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02	Complete		
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO 's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A	Complete		
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	11/14/02	11/14/02	11/18/2002, 5/7/03	Complete		
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO 's approval of the new engineer (RE).	Within 5 days of CBO approval	11/23/2002, 5/12/03	11/20/2002, 5/8/2003	N/A	Complete		
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	6/3/03	6/3/03	8/7/03	Complete		
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO 's approval of the new engineer (RE).	Within 5 days of CBO approval	8/14/03	8/13/03	N/A	Complete		
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete		
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM of the CBO 's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/12/01	8/16/01	N/A	Complete		
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days		12/17/01 11/26/01	1/16/02 1/18/01	Complete		
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM of the CBO 's approval of the new engineer.	Within 5 days of CBO approval.		1/18/02 & 1/28/02	N/A	Complete		
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.	15 days prior to any activity requiring Special Inspection		1/11/02	1/16/02	In progress		
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are approved		2/14/2002 10/22/02	7/7/03	In progress		
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special inspectors	Replacement of Special Inspector						
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days of CBO approval						
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report				In progress		
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction						
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Transmit a copy of the CBO 's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of CBO Approval or Disapproval of Discrepancy						

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION THROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO Approval or Disapproval of Discrepancy				
GEN-8	Obtain the CBO's final approval of all completed work.	Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 15 days of the completion of any work				
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report.	Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading	12/30/01	8/27/01	4/2/02	Complete (Except for approval of Construction Facilities Plan, Rev.2)
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report.	Submit a written statement certifying that the documents have been approved by the CBO.	Monthly Compliance Report after CIVIL-1 Documents are Approved	5/14/02	5/14/02		Submitted with May Monthly Compliance Report.
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforeseen or Adverse Soil Conditions				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Start of Rough Grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING				1/14/2002			
START OF CONSTRUCTION				9/17/2002			
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.				
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	7/26/02	7/26/2002 / 1/6/03		Complete for phase 1 grading only.
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	8/14/02	8/14/2002 / 1/17/03		Complete for phase 1 grading only.
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days prior to any increment of STRUC-1 Construction				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obtain approval from the CBO of lateral force procedures proposed for project structures. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure				In progress
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING				11/14/2002			
START OF CONSTRUCTION				9/1/2002			
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO disapproval				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Transmit a copy of the CBO's inspection approvals to the CPM.	Monthly Compliance Report				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING			1/14/2002				
START OF CONSTRUCTION			9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
MECH-1	Prior to the start of any increment of piping construction, submit for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of MECH-1 Piping Systems				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Transmit a copy of the CBO's and/or Cal-OSHA inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC	30 days prior to the start of construction of any of the above systems				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING				START OF CONSTRUCTION			
Condition No	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LORS to the CPM.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-1				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment, 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after Receipt or Testing of Electrical CBO Approval of Electrical Drawings per ELEC-1				
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS.	30 days prior to the start of each increment of electrical equipment installation				In progress
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: a) Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities				
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 'a - h listed in TSE-1 and request CPM approval to implement changes.	Inform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION	Project Certification	10/24/01	10/24/01	11/19/01	Complete
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION	Project Certification	10/24/01	10/24/2001 9/10/02 (rev.)	11/19/2001 10/25/02 (rev.)	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING							
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
Pre-constr matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction matrix is submitted, all pre-construction conditions have been compiled with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction	9/1/02	8/7/02	8/30/02	Complete
Compliance matrix	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Submit compliance matrix to CPM	Monthly Compliance Report	11/15/01	11/15/01		On-going

CBO SUBMITTALS, COMMENTS AND APPROVALS

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT**

**METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/BSR AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates			Comments	Documents				
				Issued	To Check	From Check		From Check	Respond	Status	Sub'd	Resp'd
		00001	Never Assigned									
		00002	Never Assigned									
		00009	Construction Facilities Drawing	2/27/2002 3/20/2002	3/21/2002							1
GEN-2		00010	Gas Turbine Difuser	2/27/2002 3/20/2002	3/21/2002	3/29/2002	See 00025			A-3/29/2002		1
GEN-2		00025	Gas Turbine Difuser Condition of Certification	4/22/2002						A-4/24/02		1
GEN-6	1008		Field Engineers and Special Inspectors John Edwin Nelson and Roman M. Reyes							A-9/28/02		1
GEN-2	1009		Bechtel Proposed CBO Submittal List (24-199-000-T01-GEGX-00018)							C-10/16/02		1
GEN-5	1011		Qualifications Statement Bailord (Civil), Masi (Mech) & Rubin (Elect)							A-1/18/02		1
GEN-4	1012		Qualifications: Resident Engineer Mr. Shuke Miao of Mortenson							A-1/17/02		1
GEN-4	Calpine Letter	00268	Qualifications: Resident Engineer: Mr. Robert K. Anders	6/3/2003								
GEN-4	Calpine Letter	00272	Qualifications: Resident Engineer: Mr. Robert K. Anders	7/9/2003								
GEN-5	1013		Statements of Qualifications C. Barry Butler and Richard G. Woodward-(Geotech)							A-1/16/02		1
GEN-6	1014		Statement of Qualifications, Bill Petroski							C-1/18/02		1
GEN-6	1015		Special Inspectors-Jarrod Bordt (1 of 6) ICBO/ACI	01/11/02						A-1/16/02	AWS/CW	1
GEN-6	1015		Special Inspector-Kevin Brown (2 of 6)-ICBO/ACI	01/11/02						A-1/16/02		1
GEN-6	1015		Special Inspector-Leah Welliver (3 of 6)-ICBO/ACI	01/11/02						A-1/16/02		1
GEN-6	1015		Special Inspector - Steven Harvey (4 of 6)-ICBO/ACI	01/11/02						A-1/16/02		1
GEN-6	1015		Special Inspectors-Bundy Chamberlain Jr.(5 of 6)	01/11/02						C-1/16/02		1
GEN-6	1015		Special Inspectors - Daniel Carnacho (6 of 6)	01/11/02						C-1/16/02		1
GEN-6	1015		Statement of Qualification - Special Inspectors	01/11/02						C-1/17/02		1
GEN-5	1016		Statement of Qualifications, Emma, Chaiyane							A-9/20-02		1
GEN-5	1017		Statement of Qualification: Civil/Structural - Mr. Lantry							A-9/20/02		1
GEN-5	1019		Statement of Qualification: Civil -Protocol A, Mr. Lantry							A-9/20/02		1
GEN-2	1017	000051	CBO Submittal List	07/18/02								
GEN-2	1017	000063	CBO Submittal List	10/11/02								1
GEN-2	1018	000138	CBO Submittal List	01/27/02								1
GEN-5	1017		Resp. Design Engr. Civil - Mr. Lantry									1

METCALF DOCUMENT SUBMITTAL RECORD
CALPINEBAR AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments	Documents			
				Issued	To Check	From Check	Respond	From Check		Status	Sub'd	Rsp'd	
GEN-5	1019	000159	Responsible Civil Engineer	4/7/03 No resp req'd									
GEN 4			Resident Engineer Transition Acceptance by SG	02/04/03								1	1
TSE-1	Calpine Letter		Qualifications; Switchyard Power Engineers 2 Resumes	02/04/03			3/21/2003		Condition Approved			1	1
			Carl Johnson - Resume									1	1
			Kevin Murar - Resume									1	1
	Calpine Letter		Qualifications; Switchyard Power Engineers 2 Registration Certificates	04/17/03			8/4/2003		Approved				
			Carl Johnson - Certification										
			Kevin Murar - Certification										
GEN 5	Calpine Letter		Qualifications: Gas Pipeline Raymundo Engineering: 2 Resumes	02/05/03			03/21/03	HK	Condition Approved			1	1
			Resp. Design Eng: Gas Pipeline - John Byrne										
			Resp. Design Eng: Gas Pipeline - Bernard Wroblewski	02/05/03								1	1
GEN-5	Calpine Letter		Qualifications: Gas Pipeline Raymundo Engineering: 4 Resumes, Organizational Chart, Inspection Plan	05/05/03			08/06/03	HK	Approved			6	0
			William Raymundo- Resume										
			John J. Byrne - Resume										
			Karil K. Maeda - Resume										
			Bart F. Oddo - Resume										
			Inspection Plans										
			Organizational Chart										
GEN-5	Calpine Letter		Qualifications: Access Road and Sewer Line CH2M-Hill Engineering: 2 Resumes	03/25/03			04/30/03	HK	Approved				
			Mike Zabaneh - Resume										
			Benjamin Wright - Resume										
WASTE-4	Calpine Letter		Qualifications: Registered Geologist 2 Letters 6 Resumes	04/18/03			Info Only		No Approval Req'd				
			Letter to Steve Munroe 3/12/03										
			Mark Smolley										

**METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments	Documents	
				Issued	To Check	From Check	Respond		Status	Sub'd
			Letter to Steve Munroe July 31, 2001							
			Ana Demorest-Resume							
			David Rizman - Resume							
			Julia S. Spahn - resume							
			Keith Sheets - resume							
			Scott Eric lamb - Resume							
GEN-5	Calpine		Qualifications: Architectural Screen Wall Geiger Engineers: 1 resume	03/14/03		HK	08/05/03	Approved	HK stamped on 6/10/03	
			Kris Hamilton - Resume							
GEN-4	Calpine	0268	Resident Engineer Bob Anders	06/03/03		HK	08/07/03	Approved		
GEN-4	Calpine	0272	Deputy Resident Engineer	07/09/03		HK	08/07/03	Approved		
GEN-4	Calpine	0000	Resident Engineer Exit Statement	06/03/03		HK	08/07/03	Approved		
GEN-4	Calpine	0276	Resident Engineer Enter Statement	08/07/03		HK	08/07/03	Approved		
GEN-5	Calpine	0283	Civil/Structural RDE - Mr. Martin Ballod Resume	08/26/03	8/29/2003	HK				
GEN-5	Calpine	0000	Fire Protection RDE - Mr. Ray Podesinski	08/29/03	8/29/2003	HK				
GEN-8	3080	000190	Certification upon Completion of Increment of Work Marty Ballod Certification of Piles	08/28/03	8/29/2003	HK				
				Status Code				Total:	Total:	Total:
A - Approved								30	30	26
I - Accepted as for information only										
N - Not approved, returned with comments.										
C - Approval Conditioned upon submittal of addt. Info. or replacement										
P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.										
D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party										
H - On hold by Mortenson/Calpine										
R - Reversal of approval pending resolutions from outside agencies.										

**METCALFE DOCUMENT SUBMITTAL RECORD
CALPINE B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments or Action Required	Documents			
				Issued Due Date	To Check	From Check	Resp' Date		Check By	Status	Rcd	Rsp'd
CIVIL-1		Bechtel	Storm Water Management Plan					DN			0	0
			Erosion-Sediment Control & Storm Water Plan: Report# 24193-000-G27-GEK-00001 Rev2	10/19/01			4/8/2002	DN	Approved	R2	1	1
			Calc: Storm Basin Sizing H&H-1 Rev 1	08/21/02			4/8/2002		Approved	R1	1	1
			Calc: Storm Drain Design H&H-2 Rev 2	10/30/2002			4/8/2002		Approved	R2	1	1
		*	Calc: Retaining Wall Structure 000-DBC-000-00001	10/10/2002			4/8/2002		Approved	R0 * May not belong in this package	1	1
			Drwg: 0-C2-0000-00001 Site Plan	10/12/2001			4/8/2002		Approved	R2	1	0
			Drwg: 0-C2-0000-00002 Const. Facilities	10/17/2001					R2		1	0
			Drwg: 0-CE-0000-00001 Clearing Stripping Stockpile	10/19/2001			4/8/2002		Approved	R1	1	0
			Drwg: 0-CG-0100-00001 Rough Grading Phase 1	10/24/2001			4/8/2002		Approved	R3	1	0
			Drwg: 0-CG-0100-00002 Rough Grading Phase 2								1	0
			Drwg: 0-CG-0090-00001 Erosion Control Details								1	0
			Drwg: 0-CG-0090-00002 Drainage Details	8/20/2001						R1	1	0
			Drwg: 0-CG-0090-00003 Rough Grading Details								1	0
			Drwg: 0-CG-0090-00004 Drainage Headwall Details	10/19/2001			4/8/2002		Approved	R1	1	0
			Drwg: 0-CG-0090-00005 Rough Grading Sections								1	0
		*	Drwg: 0-CG-0090-00006 Retaining Wall	8/10/2001						R0 * May not belong in this package	1	0
			Drwg: 0-CD-0100-00001 Storm Water Piping Plan	10/31/2001			4/8/2002		Approved	R2	1	0
			Drwg: 0-CS-0200-00001 Main Access Road	10/19/2001			4/8/2002		Approved	R1	1	0
			Drwg: 0-CS-0300-00001 Railroad Plan & Profile	8/10/2001						R0	1	0
CIVIL-1	2001		Rough Grade Plan Check	8/29/2001					C-9/18/01		1	1
CIVIL-1	2001		Grading Retaining Wall-Geotech Review	9/18/2001					C-10/19/01		1	1
			Geotechnical Report (by Arroyo)	1/12/2002					6/12/2002		1	1
CIVIL-1	2002		Plot Plan - Bechtel C2-0000-00003						C-10/26/02		1	1
CIVIL-1	2003		Engineering Geology Report	10/26/2002						See 2008	1	
CIVIL-1	2004		Engineering Geology Report	10/26/2002						See 2008	1	
CIVIL-1	2004	000146	Phase 2 - Drainage and Grading : 4 Drawings	2/28/03 3/14/03					RS HK			
			Drwg: C-071-R0 Rough Grading Plan									
			Drwg: C-072-R0 Drainage Plan									
			Drwg: C-073-R0 Foundation Schedule									
			Drwg: C-074-R0 Crane Staging Area Plan									
CIVIL-1	2005		Technical Specification for Earthwork							C-11/15/02	1	1
CIVIL-1		00020	Subsurface Investigation & Geology Report: CY-0000-001 Rev H 0-CG-0100-00002 Rev. 1, 0-CG-0090-00006 Rev. 0, 0-C2-0000-00001 Rev. 1	4/2/2002						A-4/4/02		4

**METCALF DOCUMENT SUBMITTAL RECORD
CALPINE B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments or Action Required	Documents						
				Issued Due Date	To Check	From Check	Resp' Date		Check By	Status	Rcd	Rsp'd			
GEO-2	2008		Engineering Geology Report - Application for Grading Permit												
GEO-2	2008	000007	Subsurface Investigation & Foundation Report- Responses to Arroyo's comments	2/15/2002 3/8/2002										1	1
GEO-2	2008	000012	Subsurface Investigation and Foundation Report-Lettere	3/6/2002										1	1
CIVIL-1	2009	000028	Sediment & Erosion control - C050 South laydown yard Sediment & Erosion Control Plan Rev 0 C060 Sedimentation & Erosion Notes & Details Rev 0 C061 Sedimentation&Erosion Details Rev.0	4/30/2002											
CIVIL-1	2009	000048	Sediment & Erosion Control Burns & Roe response to comments	7/3/2002										4	4
CIVIL-1	2010	000029	Burns & Roe Response to comments on Design of Concrete Filled Pipe Piles	5/6/2002 5/28/2002										1	1
CIVIL-4	2011	000054	Site Observation Report: Dated 7/25/02	07/26/02 No rsp rq'd										1	
CIVIL-4	3052	000126	Site Observation Report: Marty Ballod final site visit. Three page document	01/06/2003 No rsp rq'd	01/10/03										
CIVIL-4	3052	000136	Site Observation Report: Marty Ballod final site visit. Three page document	01/27/2003 No rsp rq'd	2/4/2003										
CIVIL-4	3052	000156	Revised Site Observation Report:	3/24/2003 No rsp rq'd											
CIVIL-1		000004	Retaining Wall Superceded by Keystone Blocks												
CIVIL-1	2012	00069	Retaining Wall as built drawings 0-CG-0090-0006 Rev 2 2484-C030 Rev. 0	2/6/2002 9/13/2002 10/7/2002										1	2

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments or Action Required	Documents				
				Issued Due Date	To Check	From Check	Resp' Date		Check By	Status	Rcd	Rsp'd	
CIVIL-1	3022	00037	Roadway Drawings C040 Road Geometry Plan Rev. 0 C043 Typical Road Cross Section Rev. 0 C045 PG&E All-Terrain Vehicle Access Partial Plan Rev.0	6/13/2002 8/27/2002	7/10/2002						3	0	
CIVIL-1	3022	00056	Roadway Drawings - Burns & Roe Response to Willdan Comments of 7/1/02	08/02/02 08/22/02						C-10/9/02		1	1
CIVIL-1	3022	00062	Roadway Drawings C040 Road Geometry Plan Rev. 2 C043 Typical Road Cross Sections Rev. 2 C045 PG&E All Terrain Vehicle Access, Rev 2	08/21/02 09/12/02						A-10/9/02		3	3
CIVIL-1	3022	00113	Roadway: Dwg: C040R3 Dwg: C045R3	12/6/2002								2	2
CIVIL-1	3022	000118	Roadway: Letter: Response to CBO Comments: Roadway crosssection Dwg: C043 R3	12/23/02	1/28/03	1/28/03		HK		Approved Unstamped		1	
CIVIL-1	2013	000107	Temporary Construction Facilities : Dwg# C070-R0	11/25/02	02/04/02	xx	xx	RS		xx		1	
CIVIL-1	2013	000161	Temporary Construction Facilities : Dwg# C070-R1	04/14/03	04/22/03	xx	xx	RS ES		Under Review		1	
CIVIL-1	2013	Calpine 00500	Temporary Construction Facilities : Dwg# C-070 Modified by Redline for Drainage	09/02/03	09/03/03	09/03/03	xx	RS		Under Review		1	
CIVIL-1	2000	000000	Drawings requested by Ralph Sellers : Provided by Calpine	02/05/03	02/06/03								
			C030-R0 Retaining Wall										
			C070-R1 Temp Const Facilities										
			C035-RA Site Fencing										
			C036-RA Site Fencing										
			C040-R3 Road Geometry										
			C043-R3 Road Cross Section										
			C045-R3 PGE Dirt Roads										
			C050-R1 South Laydown Area										
			C060-R1 Sediment Erosion Control Notes										
			C061-R1 Sediment Erosion Control										

**METCALF DOCUMENT SUBMITTAL RECORD
CALPINE AND CBO**

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments or Action Required	Documents			
				Issued Due Date	To Check	From Check	Resp' Date	Check By		Status	Rcd	Rsp'd	
CIVIL-1	6001	Calpine Transmittal 00272	Linear Facilities: Roadway, Potable Water, Recycled Water, & Sewer 17 Drawings:CH2MHILL preliminary	03/28/03	03/28/03			RS GC	Under Review	Drawings are for 30% Design	17	0	
			G-11 Title Sheet Legends										
			G-2 General Notes										
			G-3 Key Plan Overall View										
			X-1 Typical Cross Sections										
			L-1 Plan & Profile Detail										
			L-2 Plan & Profile Detail										
			L-3 Plan & Profile Detail										
			L-4 Plan & Profile Detail										
			L-5 Plan & Profile Detail										
			L-6 Plan & Profile Detail										
			L-7 Plan & Profile Detail										
			L-8 Plan & Profile Detail										
			L-9 Plan & Profile Detail										
			L-10 Plan & Profile Detail										
			D-1 Construction Detail										
			SD-1 Standard Details										
			SD-2 Stand Details										
				Total:								71	27

- Approved

- Accepted as for information only

- Not approved, returned with comments.

- Approval Conditioned upon submittal of addl. info or replacement

P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party Indicated by CBO.
D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party
H - On hold by Mortenson/Calpine
R - Reversal of approval pending resolutions from outside agencies.

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/BRAND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates			Comments - Action Required			Documents	
				Issued Due	To Checker	From Checker	Response	Plan Check	Status	Submitted	Response
STRUC-1		00005	CTG & STG Foundation Piling Drawings S110 Composite Pile Plan Rev A S111 Pile Sections and Details S200 CTG Pedestal Pile Location Plan S240 STG Pedestal Pile Location Plan	02/06/02 02/27/02	03/21/02	03/29/02			A-3/29/02	4	4
STRUC-1		00006	Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	2/15/02 03/6/02		03/15/02	See 00017		03/15/02		
STRUC-1		00011	CTG, STG & HRSG Pile Calculations	2/28/02 3/21/02	03/21/02	03/29/02			A-3/29/02	3	3
STRUC-1		00013	Overdue Response Notification CBO 0005, 0006, 0007	03/11/02			Resp to 00005,00006, 00007				
STRUC-1	3001		HRSG Foundation and Lateral calculations	08/09/01					C-9/28-01		
STRUC-1	3001		HRSG Structural Calculations	11/01/02					C-11/7/02		
STRUC-1	3001		HRSG - Frame corner connections, shear blocks, base plates and casing stiffeners						C-1/14/02		
STRUC-1	3002	00003	Piling Specs (test piles) 02472, Concrete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev 0 03200 Concrete Reinforcement Rev.0 03300 Cast-In-Place Concrete Rev. 0 S108 Pile Load Test Plan Rev. 0.	01/31/02		03/01/02	See 00015		C-3/1/02	6	6
STRUC-1	3002	00015	Piling Specs (test piles) 02472, Concrete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev A 03200 Concrete Reinforcement Rev A 03300 Cast-In-Place Concrete Rev. A S108 Pile Load Test Plan Rev. D. S109 Test Pile Sections & Details Rev. D	03/14/02 03/21/02	03/21/02	03/29/02			A-3/29/02		
STRUC-1	3002	00089	WaterPipe Specification 03300 Dwg. For Circ. Water Pipe Support Frame	10/29/02 11/19/02						1	
STRUC-1	3002	000153	Piling Specs: 1 Specification Spec#02472-R4 Concrete Filled Pipe Piles	3/11/03 3/24/03				BB HK		1	
STRUC-1	3004		Report on Seismic Design Motions						03/14/02	1	
STRUC-1	3006		Concrete Specs: 3 Documents Concrete formwork Curing & Grout Spec 03100, Concrete Curing Specs 03390 Rev. A and Grout, Spec 03600 Rev.A.	04/31/02					A-3/26/02	3	3
STRUC-1	3006	00017	Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	3/20/02 4/10/02					A-3/26/02	3	3
STRUC-1	3007		Design Report for W501F Exhaust System Diffuser						A-4/24/02	1	1
STRUC-1	3009	00008	HRSG Piles: Pile Location Plan S300	02/20/02 03/13/02	03/21/02	03/29/02			A-5/15/02	1	1
STRUC-1	3010	00014	Gas Turbine documentation SWPC-CM-008 Enclosure "B" Side Platform Analysis SWPC-CM-009 Generator End Exterior Platform and Stair SWPC-CM-010 Exhaust End Exterior Platform and Stair SWPC-CM-011 Exhaust End Interior Platform and Stair 17-001-HR Sheets 1-7 R	03/13/02 04/3/02	04/03/02	04/04/02	See 00031		C-4/3/02	5	5

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STRUC-1	3010	00031	Gas Turbine Document - Calculations and other documentation and Siemens Westinghouse response to Willdan's 4/3 Comments Dwg 17-001-HR.R1	5/17/2002					A-5/31/02			
STRUC-1	3010	00071	Siemens Westinghouse: Dwg 17-001-HR.R2 General Arrangement 501FD Inlet Silencer System.	9/18/2002 10/10/2002							1	
STRUC-1	3011	00016	Specs 01410 Rev. B - Testing Laboratory Services	3/18/2002 4/8/2002					A-4/8/02		1	1
STRUC-1	3012	00018	Civil Structural Design Criteria	3/20/2002 4/10/2002		4/18/2002	as CBO 00026		N-4/18/02		1	NA
STRUC-1	3012	00026	Civil/Structural Design Criteria - fixed head moment values for each pile.	4/26/2002 5/17/2002			See 00018 & 00026		C-5/15/02		1	1
STRUC-1	3012	00018	Civil/Structural Design Criteria						A-5/15/02		1	1
STRUC-1	3012	00082	Civil/Structural Design Criteria Rev. 1	10/3/02 10/24/02					A-11/7/02		1	1
STRUC-1	3013	00019	Gen. Notes & Typical Detail Drawings S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991, S993 & S997 Rev.0	04/29/02		4/23/2002			A-4/30/02		13	13
STRUC-1	3013	00027	Gen. Notes & Typical Detail Drawings S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991, S993 & S997 Rev.A	4/29/02 5/20/02					A-4/30/02		13	13
STRUC-1	3014	00022	CTG, STG, HRSG Piles Calculations Concrete Filled Pipe Piles, 02484-001-06-001 Rev. O Combus Turb Found Unit 1, 02484-001-06-004 Rev. O Steam Turb Ped Found, 02484-001-06-005 Rev. O Mat Foundation for HRSG and Stack Unit 1, 02484-001-06-001 Rev. O Compos	4/4/02 4/25/02		04/26/02	see 00029		A-5/8/02	Sent to JL (Industry 10/4) Approved Disposition dated 8/31/02		
STRUC-1	3014	00082	Composite Pile Plan: Drawing S110-R1	10/3/02 10/24/02					A-11/7/02	Sent to E. Moran / Hans and Bart's review -- get latest draw	4	4
STRUC-1	3014	000135	Composite Pile Plan: Drawing S110-R2 Pile Section Detail: Dwg S111-R1	01/27/03 02/27/03	To Checker 1/29/03				Approved Unstamped	HK to Review and Approve	1	1
STRUC-1	3015	00023	HRSG & Stack foundation Mat Calc 02484-001-06-007 - Unit 2 Foundation Drawings: S305 HRSG Plan Unit #1 Rev. 0 S306 HRSG Plan Unit #2 Rev. 0 S307 HRSG Reinforcing Plan Unit #1 Rev. 0 S308 HRSG Reinforcing Plan Unit #2 Rev. 0 S310 HRSG Section & Details Unit	4/12/02 5/03/02					A-5/16/02		6	6
STRUC-1	3016	00021	200 Gal. Reservoir Hydraulic Power Unit/Sismic Calc. CTG Foundation: Drawings & Calcs. - CTG Foundations Calc 02484-001-06-004 CTG Units 1&2 Found. Rev.0 S205 CTG Units 1&2 Rev 0 S206 CTG Units 1&2 Rev 0 S208 CTG Units 1&2 Rev 0 S210 CTG Units 1&2 Rev 0	04/02/02 04/23/02					A-5/10/02	Approved with 2010 Approved Disposition dated 10/22/02	1	1
STRUC-1	3017	00024	CTG: Revisions and Resubmital with the new Pile capacities - Calculations for CTG foundations Calculation 02484-001-06-004 Rev 1 Dated 9/13	4/16/02 5/07/02		05/31/02			A-5/31/02		5	5
STRUC-1	3017	00073	CTG: Revisions and Resubmital with the new Pile capacities - Calculations for CTG foundations Calculation 02484-001-06-004 Rev 1 Dated 9/13	9/19/02 10/3/02				JL	A-10/22/02	see 00072	1	1

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STRUC-1	3017	00095	CTG Foundation S205 Combustion Turbine Generator Units 1 & 2 Foundation Plan, Rev. 1 dated 10/29/02	11/5/02 11/26/02				hold			BB to research correspondence - Done Confirmed Pile Design Approved 4/09/03	1	
STRUC-1	3017	000177	CTG Foundation: 2 Drawings	07/09/03	not yet							2	0
			S205-R2 CTG 1&2 Foundation Plan										
			S208-R1 CTG 1&2 Section Details										
STRUC-1	3017	000179	CTG Circuit Breaker Platform: 2 Drawings	07/22/03	not yet							2	0
			S880-R1 CTG #1 Circuit Breaker Platform Sections and Details										
			S881-R1 CTG #2 Circuit Breaker Platform Sections and Details										
STRUC-1	3018	00030	Pile Testing Revised doc. - ECN 001 Revisions for Specs 02473, Dwg S108, S109,	05/07/02					see 3037	A-5/15/02	Superceded by 3037	4	4
STRUC-1	3018	00032	Doc. Review by Lowney Associate - ECN 001	05/20/02					see 3037	NA	Superceded by 3037	1	NA
STRUC-1	3018	00040	Pile Testing Revised documents ECR 003 Spec 02472 Concrete-filled pipe piles Rev.1 S108, Pile Load Test Plan Rev.2	6/20/02 6/25/02					see 3037		Superceded by 3037		
STRUC-1	3018	00044	S109, Test Pile Sections and Details, Rev.2 Pile Test Program: Revised Documents - Dwg S108, Pile Load Test Plan, Rev.3	6/27/02 7/19/02		07/23/02			see 3037	7/23/2002	Superceded by 3037 4 sets of S108-R3 in trailer on 7-23-03	2	
STRUC-1	3018	00059	Pile Test Program: (ECR No. 004) Revisions to pile test program, base on the test results, obtained to date.	8/6/02 8/27/02					see 3037	A-9/26/02	Superceded by 3037	1	
STRUC-1	3019	00033	Specification: 3 Documents	5/24/02 6/14/02						A-6/14/02		3	3
			Spec# 01410-R0, Testing Laboratory Services										
			Spec# 05120-R0, Structural Steel										
			Spec# 13121-R0, Pre-Engineered Buildings										
STRUC-1	3019	000181	Specification: 1 document	07/29/03							Packet has 2 documents. See 3025-000181 for other doc		
			Spec# 05120-R2, Structural Steel										
STRUC-1	3020	00034	Moved to Section 3023 STG Platform Foundation										
STRUC-1	3020	00035	STG Platform Calcs	Void				JL		Void			
STRUC-1	3020	00066	STG Platform Calcs 0284-001-06-029 Rev 0 S701, S705, S706, S750, S751, S752, S765, S766, S775, S776, S800, S805, S810, S830 Rev. 0	8/30/02 9/23/02				JL		10/4 to City of Industry		15	15
STRUC-1	3020	00087	STG Platform: 1 Calc, 25 Drawings	10/28/02 11/18/02	11/09/02	11/19/02		JL	Approval To Eng 01/23/03	Approved Unstamped	Includes Calc's for Circ-water pipe supt. dwg in 3041-000090 Response from checker was misplaced for a while. Engineer inquiry 1/21/03	26	26
			Calc 02484-001-06-029 R1, Steam Turbine Generator Platform										
			S700-R0, Structural Steel Drawing List										
			S701-R1, STG Platform Framing Plan at Elevation 295'-0 1/2"										
			S705-R1, STG Platform Framing Plan at Elevation 295'-6"										
			S706-R1, STG Platform Framing Plan at Elevation 279'-8 1/2"										
			S707-R0, STG Platform Mezzanine Level Partial Plan										

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				Issued Due	To Checker	From Checker	Response		Plan Check	Status	Submitted	Response
			S709-R0, STG Platform Mezzanine Level Partial Plan									
			S750-R1, STG Platform Elevatio Along Col. Lines 1, 1.5 & 2									
			S751-R1, STG Platform Elevatio Along Col Lines 3 & 4									
			S765-R1, STG Platform Girt Elev At Col. Line 1, 1.5, D, 2&C.4									
			S766-R1, STG Platform Girt Elevat Along Col. Lines G & 4.8									
			S775-R1, STG Platform Elevat Along Col. Lines A,B,C&C.4									
			S776-R1, STG Platform Elevat Along Col. Lines D, E, F & G									
			S800-R1, STG Platform Column Schedule									
			S805-R1, STG Platform Base Plate Details									
			S810-R1, STG Platform Steel Sections & Details									
			S811-R0, STG Platform Steel Sections & Details									
			S812-R0, STG Platform Steel Sections & Details									
			S813-R0, STG Platform Steel Sections & Details									
			S830-R1, STG Platform Stair #1 Plans									
			S831-R0, STG Platform Stair #2 Plans									
			S832-R0, STG Platform Stair #3 Plans									
			S833-R0, STG Platform Stair #1 Plans									
			S835-R0, STG Platform Stair #1 Sections									
			S836-R0, STG Platform Stair #1 Sections									
			S837-R0, STG Platform Stair #1 Sections									
			STG Platform:									
STRUC-1	3020	000163	28 Drawings (this batch was revised by BREI	4/22/03	04/29/03	05/31/03		GJ	Approved by Checker	GJ Sent to JL In City of Industry. Approved by Steve Windmayer	28	28
			S700 - R1 Structural Steel Drawing List	5/06/03						CBO needs make Disposition and Inform		
			S701 - R2 Framing Plan									
			S705 - R2 Framing Plan									
			S706 - R2 Framing Plan									
			S707 - R1 Mezzanine									
			S708 - R1 Mezzanine									
			S709 - R0 Checkered Plate									
			S715 - R2 Pedestal Access Platform									
			S750 - R2 Elevations along Column line									
			S751 - R2 Elevations along Column line									
			S752 - R2 Elevations along Column line									
			S765 - R2 Girt Elevations									
			S766 - R2 Girt Elevations									
			S770 - R0 Removable Panel Details									
			S771 - R0 Removable Panel Details									
			S775 - R2 Elevations along Column line									
			S776 - R2 Elevations along Column line									
			S805 - R2 Base Plate Details									
			S810 - R2 Steel Sections									
			S811 - R1 Steel Sections									
			S812 - R1 Steel Sections									
			S813 - R1 Steel Sections									
			S830 - R2 Stair #1									
			S831 - R1 Stair #2									
			S832 - R1 Stair #3									
			S835 - R1 Stair #1 Section									
			S836 - R1 Stair #2 Section									
			S837 - R1 Stair #3 Section									

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STRUC-1	3021	00036	Siemens Westinghouse Documents - Design and Load Calculations for Gland Seal Steam Skid W501F Turbine Enclosure Structure-CT Pipe Rack Structure-Design and Load Calculations for Leakoff Steam DS Skid-Condenser Foundation Arrangement and Foot Loads-Design	6/27/02 7/10/02				JL	N-7/10/02		3	
STRUC-1	3021	00049	Siemens Westinghouse Documents 000-000-125-742 Calcs and Fogger Skid Anchorage 000-000-125-740 Found. Loads and Anchoring/Steam Turbine Seismic Loads 000-000-125-714 Struc Calcs & Drwgs	07/09/02				HK	Sent to JL (Industry 10/4)		1	
STRUC-1	3021	00093	Design Calculations for Vacuum Pump Skid for Main Steam Condenser - SC-28787-CBO	11/01/02							5	
STRUC-1	3021	00106	Siemens Westinghouse Calculation Revisions 1.) CTG Pipe rack structure SWPC-CM-007 2.) Design & load calculations for ST tube oil module 43237-LOAD 3.) Design & load Calc for leakproof Steam Skid 43277-LOAD 4.) W501F Turbine Enclosure Structure DA 182 5.) Condenser	11/21/02							1	
STRUC-1	3021	00108	Siemens Westinghouse Doc. Condition of Certification 1.) Steam Turbine Cross-over Pipe Calculations SWPCA 000-000-140-477	11/25/02							3	
STRUC-1	3021	00178	Siemens Westinghouse: Gland Seal Condenser 1 Calculation Calc: Howard Martin # 43225-Load	07/11/03	no yet						1	
STRUC-1	3022	00037	Roadway: Moved to CIVIL Section	09/00/00 00/00/00							1	1
STRUC-1	3022	00056	Roadway: Moved to CIVIL Section	08/02/02 08/22/02							3	3
STRUC-1	3022	00062	Roadway: Moved to CIVIL Section	08/21/02 09/12/02							2	2
STRUC-1	3022	00113	Roadway: Moved to CIVIL Section	12/6/2002 00/00/00							8	8
STRUC-1	3022	000118	Roadway: Moved to CIVIL Section	12/23/02 01/07/03							8	8
STRUC-1	3020	00034	STG Platform Piles: Drawings and Calculations 02484-001-06-028 STG Foundation Rev. 0 S120 STG Pile Plan, Rev. 0					JL	6/24/2002	Approved but it was resubmitted as 3023 STG Platform Foundation Approved before Soil Analysis Change	2	2
STRUC-1	3023	00038	STG Platform Foundation: 7 Drawings: 1 Calculation Calc: 02484-001-06-028, R1 STG S120-R1, Steam Turbine Platform Pile Plan S125-R0, Steam Turbine Platform Foundation Plan S135-R0, Steam Turbine Platform Pile Cap Details S190-R0, Steam Turbine Platform Sections & Details S191-R0, Steam Turbine Platform Sections & Details S192-R0, Steam Turbine Platform Anchor Bolt Schedule	6/19/02				DN		David Newman responded with 8 comments	8	8

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				Issued Due	To Checker	From Checker	Response	Plan Check			Submitted	Response
			S193-R0, Steam Turbine Platform Enlarged Foundation Plan									
STRUC-1	3023	00061	STG Platform Foundation: 1 Letter, 1 Calc, 2 Drawings Letter: 8/15/02 Response to CBO comments Calc: 02484-001-06-028 R2, STG Platform Foundation Design	8/15/02	10/04/02			JL		BREI responds to DN comments	4	4
			S125-R1, Steam Turbine Platform Foundation Plan									
			S190-R0, Steam Turbine Platform Sections & Details									
STRUC-1	3023	00088	STG Platform Foundation: 6 Drawings, 1 Calc. Calc: 02484-001-06-028, R3 STG Platform Foundation Design	10/28/02	11/06/02			EM GJ		Calcs only to GJ on 11/6/02 Pile Plans approved	7	7
			S120-R2, Steam Turbine Platform Pile Plan									
			S125-R2, Steam Turbine Platform Foundation Plan									
			S135-R1, Steam Turbine Platform Pile Cap Details									
			S180-R2, Steam Turbine Foundation Sections & Details									
			S191-R1, Steam Turbine Foundation Sections & Details									
			S192-R1, Steam Turbine Platform Anchor Bolt Schedule									
STRUC-1	3023	00096	STG Platform Foundation Plan, Dated 11/01/02	11/5/02	11/06/02			EM GJ		Approved see Below	1	1
STRUC-1	3023	00103	STG Platform Foundation: Response by Burns and Roe, Revised Drawing Letter: 11/13/02 Response to CBO comments	11/26/02	01/15/03			GJ		Approved see Below	2	2
			S192-R2, Steam Turbine Platform Anchor Bolt Schedule									
STRUC-1	3023	000131	STG Platform Foundation: 1 Letter, 2 Calc, 11 Drawings	01/17/03	01/23/03	02/06/03	07/09/03	GJ		Approved 7/09/03	14	
			Calc. 02484-001-06-039, R0 Design of Slab STG	Pending								
			Calc. 02484-001-06-040, R0 STG Stair Tower- Foundation	Approved								
			S120-R0, STG Platform Pile Plan	Approved								
			S125-R3, STG Platform Foundation Plan	Approved								
			S135-R2, STG Platform Foundation Pile Cap Details	Approved								
			S160-R0, STG Area Slab Plan At E1.255'-6" 1/17/03	Approved								
			S161-R0, STG Area Enlarged Slab Plan '1' At E1.255'-6"	Approved								
			S162-R0, STG Area Enlarged Slab Plans '2' & '3' At E1.255'-6"	Approved								
			S170-R0, STG Area Slab Plan At E1.295'-0 1/2" (Oprting Floor)	Approved								
			S171-R0, STG Area Elevated Slab Details (Operating Floor)	Pending								
			S190-R3, STG Platform Foundation Sections & Details	Approved								
			S191-R3, STG Platform Foundation Sections & Details	Approved								
			S192-R3, STG Platform Anchor Bolt Schedule	Approved								
STRUC-1	3023	000173	STG Platform Foundation: 2 Drawings	6/10/03	6/27/03	7/9/03		GJ			2	2
			S171-R1, STG Area Elevated Slab Details (Operating Floor)									
			S193-R2, Steam Turbine Platform Enlarged Foundation Plan									
STRUC-1	3023	000180	STG Platform Foundation: 2 Drawings	7/22/03	not yet							
			S171-R2, STG Area Elevated Slab Details (Operating Floor)									

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			STG Platform Foundation : 3 Calcs and 12 Drawings Active Drawings and Calcs for Final CBO Binder	Approved	Active								
			Calc. 02484-001-06-02B, R3 STG Platform Foundation Design	Pending	Active								
			Calc. 02484-001-06-039, R0 Design of Slab STG	Approved	Active								
			Calc. 02484-001-06-040, R0 STG Stair Tower- Foundation	Approved	Active								
			S120-R3, STG Platform Pile Plan	Approved	Active								
			S125-R3, STG Platform Foundation Plan	Approved	Active								
			S135-R2, STG Platform Foundation Pile Cap Details	Approved	Active								
			S160-R0, STG Area Slab Plan At E1,255'-6" 1/17/03	Approved	Active								
			S161-R0, STG Area Enlarged Slab Plan 1' At E1,255'-6"	Approved	Active								
			S162-R0, STG Area Enlarged Slab Plans 2' & 3' At E1 255'6"	Approved	Active								
			S170-R0, STG Area Slab Plan At E1, 295'-0 1/2" (Oprting Floor)	Pending	Active								
			S171-R0, STG Area Elevated Slab Details (Operating Floor)	Approved	Active								
			S190-R3, STG Platform Foundation Sections & Details	Approved	Active								
			S191-R3, STG Platform Foundation Sections & Details	Approved	Active								
			S192-R3, STG Platform Anchor Bolt Schedule	Approved	Active								
			S193-R2, Steam Turbine Platform Enlarged Foundation Plan	Approved	Active								
STRUC-1	3023A	00065	STG Access Stair: 1 Drawing, 1 Calc.	09/20/02		12/19/03		GJ					
			Calc. 024-001-06-030 Exciter Access Stairs & Platform										
			S720-R0, Exciter Access Platforms Plan Sections & Details										
	3023A	000133	STG Access Stair: 1 letter, 1 drawing	01/17/03 02/07/03	01/29/03	02/06/03		GJ	Checker Approved		2	2	
			Letter: 11/15/03 Response to CBO Comments										
			S720-R1, Access Platform								2	NA	
STRUC-1	3024	00039	Visual Screen Foundation: Design Loads - Calculations and Drwg SS-1A, Foundation Load Plan	6/20/02 7/12/02		07/23/02	See 00068		N-7/23/02		10		
STRUC-1	3024	00058	Visual Screen: Detail Calculations and Dwgs SS1 to SS9	8/02/02 8/23/02						Need comments back, more detail			
STRUC-1	3024	00068	Visual Screen: Burns & Roe Response to Willdan-David Newman Foundation Load Plan drwg SS1-A	09/06/02 09/27/02	To Check 10/29/02	From Check 10/30/02		GJ EM	Approved Unstamped	Bar found approval comments 1/29/03	1	1	
STRUC-1	3024	000134	Visual Screen: 1 Calc, 10 Dwrgs: Calculation GGHL# 201044.03 SS-1.Rev 1 Foundation Plan SS-1A.Rev 1 Foundation Foundation Load Plan SS-2.Rev 1 Foundation Plate Details - Not Approved SS-3.Rev 1 Foundation Pile Cap Detail PC-8C SS-4.Rev 1 Foundation Pile Cap Detail PC-8A & Pile Section SS-5.Rev 1 Foundation Pile Cap Detail PC-8A SS-6.Rev 1 Foundation Pile Cap Detail PC-8B SS-7.Rev 1 Foundation Pile Cap Detail PC-8D SS-8.Rev 1 Foundation Pile Cap Detail PC-20A SS-9.Rev 1 Piers on Two HRSG Bases -Not Approved	01/21/03 02/11/03	1/29/2003	01/31/03	03/12/03	GJ	Partial Approval	Status: 14" Pile Design Approved Basic Foundation Piers Approved Required: Base Plate Calculations (SS-2 Not Approved) Calculation of HRSG #2- Foundation (SS-9 Not Approved)		2	2

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STRUC-1	3025	00041	Specifications: 3 Documents Spec# 02721-R0 Aggregate Base Course Spec# 02740-R0 Asphalt Paving Spec# 03200-R1 Concrete Reinforcement	6/24/2002						A-7/23/02	Will resubmit 2 copies	6	
STRUC-1	3025	000181	Specifications: 1 Document Spec# 03200-R2 Concrete Reinforcement	07/29/03							Packet has 2 documents. See 3019-000181 for other doc		
STRUC-1	3026	00042	Pile Submittals-MORT.01-00-0002 Pile Driving Hammer MORT.01-00-0003-Pile Driving Crane Data Sheet MORT.01-00-0004-Pile Driving Analyzer Data Sheet MORT.01-00-0005-Ground Vibration Equipment Data MORT.01-00-0006-Noise Monitoring Plan MORT.01-00-0009-Pile L	06/26/02	To Check 10/04/02		JL				Sent to JL (Industry 10/4) May have been returned. Needs "Black-Box" review	1	1
STRUC-1	3027	00043	Cooling Tower calcs Rev. 0	6/27/02 7/22/02		7/23/2002					Rejected	8	8
STRUC-1	3027	00060	Cooling Tower Foundation: Burns & Roe response to 00043 Calculations 02484-001-06-010 Rev 1 and drawings S350, S361, S352, S355, S356, S357 AND S363 Rev 1	8/12/02 9/04/02	10/10/02				see CBO 00076	10/10/02 superceded		7	7
STRUC-1	3027	00076	Cooling Tower: Dvgs & Calc. Cooling tower Basin redesign for pile capacity Calcs 02484-001-06-010 Rev 2, S350, S351, S352, S355, S356, & S363 Rev 2 dated 9/24/02	10/9/2002							Conditionally approved by Don Wimberly Approved Disposition dated 10/22/02	5	5
STRUC-1	3027	00094	Cooling Tower: Piles in Pump Pit Area and Inlet Header Foundations Pump Pit Found Calcs 02484-001-06-011 Rev. 0	11/04/02 11/18/02	To Checker 11/08/02	Fro Check 11/13/02	EM GJ	To Engineer 11/13/02		Approved Unstamped	CT Piles (less pump pit area) were approved via BB e-mail on 11/13/02 with comments resulting in correspondence.	8	8
STRUC-1	3027	000101	Cooling Tower Structure & Foundations S360, S361, S364, S365, S366, S367, S368 Rev 0 dated 11/01/02 Calcs 02484-001- 06-011 submitted in previous packet.	11/07/02 11/29/02	To Checker 11/13/02	Fro Check 11/18/02	EM GJ	To Engineer 11/25/02		Re-designed	Pump pit structure comments were significant. Pump area was re-designed and submitted on CBO #000117 on 12/23/02	6	6
STRUC-1	3027	000115	Cooling Tower Foundation: Drawings, dvgs: S355 R3, S356 R3, S357 R3, S362 R0, S363 R3, S368 R1	12/11/02 1/02/03	To Checker 12/13/02	Fro Check 12/18/02	GJ	To Engineer 12/20/02		Not Approved	Comments need response from engineer	7	3
STRUC-1	3027	000117	Cooling Tower Pump Structure Dvgs & Calc. Calc: 02484.001- 06-011 Draw: S361 R1, S364 R1, S365 R1, S366 R1, S367 R1, S368 R2	12/23/02 01/15/03	To Checker 01/07/03		GJ					5	0
STRUC-1	3027	000125	Cooling Tower Foundation: Drawings, Response to Comments dvgs: S355 R4, S357 R4, S362 R1, S363 R4	01/03/02 01/23/03	To Checker 01/09/03	From Check 01/21/03	GJ	Approved		Approved Unstamped			
STRUC-1	3027	000127	Cooling Tower Pump Structure: Supplemental Drawing S860R0 Access Stair	01/07/03 01/28/03	To Checker 01/09/03	02/06/03	GJ			Checker Approved		18	NA
STRUC-1	3028	00045	STG Pedestal: 17 Drawings 1 Calc. Calc: 0284-001-06-005, R0	6/27/02 7/22/02			DN		7/23/2002	Not Approved	Significant number of comments by David Newman on July 23 2002 but replied to on 10/20/00055 (below) and later approved		

**METCALFE DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required	Documents		
				Issued Due	To Checker	From Checker	Response	Plan Check		Status	Submitted	Response
			S245-R0, STG/Generator Pedestal Foundation Plan	Approved	Supersceded							
		*	S246-R0, STG/Generator Pedestal Foundation Sections & Detail	Not OK	Supersceded							
			S247-R0, STG/Generator Pedestal Misc. Sections & Details	Approved	Supersceded							
			S250-R0, STG/Generator Pedestal Operating Floor Plan	Approved	Supersceded							
			S255-R0, STG/Generator Pedestal Operating Floor Imbedment Plan	Approved	Supersceded							
			S260-R0, STG/Generator Pedestal Operating Floor Reinforc Pla	Approved	Active							
			S265-R0, STG/Generator Pedestal Concrete Section	Approved	Supersceded							
			S266-R0, STG/Generator Pedestal Concrete Section	Approved	Supersceded							
			S267-R0, STG/Generator Pedestal Concrete Section	Approved	Supersceded							
			S268-R0, STG/Generator Pedestal Concrete Section	Approved	Supersceded							
			S269-R0, STG/Generator Pedestal Concrete Section	Approved	Supersceded							
			S270-R0, STG/Generator Pedestal Concrete Section	Approved	Supersceded							
			S271-R0, STG/Generator Pedestal Concrete Section	Approved	Supersceded							
		*	S272-R0, STG/Generator Pedestal Concrete Section	Not OK	Supersceded							
		*	S273-R0, STG/Generator Pedestal Concrete Section	Not OK	Supersceded							
		*	S275-R0, STG/Generator Pedestal Embedment Sections & Detail	Not OK	Supersceded							
			S276-R0, STG/Generator Pedestal Embedment Sections & Detail	Approved	Supersceded							
STRUC-1	3032	00055	STG Pedestal: 1 Letter, 4 Drawings	08/01/02	xx	xx	10/28/02	JL	Approved		5	5
			Letter: 8/01/02 Response to CBO comments of 7/23/02	08/22/02	NA							
			S246-R1, STG Pedestal Foundation Sections & Details	Approved	Supersceded							
			S272-R1, STG Pedestal Concrete Sections	Approved	Supersceded							
			S273-R1, STG Pedestal Concrete Sections	Approved	Supersceded							
			S275-R1, STG, Pedestal Embedment Sections & Details	Approved	Supersceded							
STRUC-1	3028	00081	STG Pedestal Foundations Piling: 2 Calculations and 1 Drawings	10/03/02			10/28/2002	JL	Approved		3	3
			Calc. 0284-001-06-005-R2 STG Pedestal Pile Foundation Design	10/10/02	Active							
			Calc. 0284-001-06-005-R1 STG Pedestal Foundation Design	Approved	Active							
			S240-R1, STG Pedestal Pile Plan	Approved	Active							
STRUC-1	3028	00154	STG Pedestal: 11 Drawings:	3/21/03	05/22/03	05/30/03	06/04/03	GJ	Approved	One comment on Rebar spacing affecting 1 drawings only resolved between checker	11	11
			S245-R1, STG Pedestal Foundation Plan	Approved	Supersceded							
			S246-R2, STG Pedestal Foundation Sections	Approved	Active							
			S247-R1, STG Pedestal Misc. Sections	Not OK	Supersceded							
			S250-R1, STG Pedestal Operating Floor Plan	Approved	Supersceded							
			S255-R1, STG Pedestal Operating Floor Imbedment Plan	Approved	Supersceded							
			S265-R1, STG Pedestal Concrete Section	Approved	Active							
			S269-R1, STG Pedestal Concrete Sections	Approved	Supersceded							
			S270-R1, STG Pedestal Concrete Sections	Approved	Active							
			S271-R1, STG Pedestal Concrete Sections	Approved	Supersceded							
			S275-R2, STG Pedestal Imbedment Sections	Approved	Active							
			S276-R1, STG Pedestal Imbedment Sections	Approved	Supersceded							
STRUC-1	3028	000176	STG Pedestal: 9 Revised Drawings:	7/03/03	07/09/03	07/29/03		GJ	Checker Approved	Drawings revised as a condition of CBO our approval letter. Received 7/07/03	9	9
			S245-R2, STG Pedestal Foundation Plan	7/19/03	Active							
			S247-R2, STG Pedestal Misc. Sections	Pending	Active							
			S250-R2, STG Pedestal Operating Floor Plan	Pending	Active							
			S255-R2, STG Pedestal Operating Floor Imbedment Plan	Pending	Active							
			S266-R1, STG/Generator Pedestal Concrete Section	Pending	Active							
			S268-R1, STG/Generator Pedestal Concrete Sections	Pending	Active							

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R/AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required	Documents		
				Issued Due	To Checker	From Checker	Response	Plan Check		Status	Submitted	Response
			S269-R2, STG Pedestal Concrete Sections	Pending	Active							
			S272-R2, STG Pedestal Concrete Sections	Pending	Active							
			S276-R2, STG Pedestal Imbedment Sections	Pending	Active							
STRUC-1	3028	000183	STG Pedestal: 2 Revised Drawings:	08/13/03				GJ	Checker Approved	9	9	

METCALFE DOCUMENT SUBMITTAL RECORD
CALPINE/B&F AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required		Documents	
				Issued Due	To Checker	From Checker	Response	Plan Check	Status	Submitted	Response	
			S270-R2, STG Pedestal Concrete Sections	Pending	Active							
			S273-R2, STG Pedestal Concrete Sections	Pending	Active							
			STG Pedestal: 2 Calcs and 17 Drawings Active Calcs and Drawings for Final CBO Binder			Calpine	BREI					
			Calc. 0284-001-06-005-R2 STG Pedestal Pile Foundation Design	Approved	Active	Stamped						
			Calc. 0284-001-06-005-R1 STG Pedestal Foundation Design	Approved	Active	Stamped						
			S240-R1, STG Pedestal Pile Plan	Approved	Active	Stamped						
			S246-R2, STG Pedestal Foundation Plan	Approved	Active	Stamped						
			S246-R2, STG Pedestal Foundation Sections	Approved	Active	Stamped						
			S247-R2, STG Pedestal Misc. Sections	Approved	Active	Stamped						
			S250-R2, STG Pedestal Operating Floor Plan	Approved	Active	Stamped						
			S255-R2, STG Pedestal Operating Floor Imbedment Plan	Approved	Active	Stamped						
			S260-R0, STG/Generator Pedestal Operating Floor Reinforc Pla	Approved	Active	Stamped						
			S265-R1, STG/Generator Pedestal Concrete Section	Approved	Active	Stamped						
			S266-R1, STG/Generator Pedestal Concrete Section	Approved	Active	Stamped						
			S-267	Approved	Active	Stamped						
			S268-R1, STG/Generator Pedestal Concrete Sections	Approved	Active	Stamped						
			S269-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped						
		xx	S270-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped						
			S271-R1, STG Pedestal Concrete Sections	Approved	Active	Stamped						
			S272-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped						
		xx	S273-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped						
			S275-R2, STG Pedestal Imbedment Sections	Approved	Active	Stamped						
			S276-R2, STG Pedestal Imbedment Sections	Approved	Active	Stamped						
STRUC-1	3028A	00098	STG Pedestal Access Platform: 1 Calculation, 1 Drawing	11/07/02 11/27/02	To Checker 11/25/02	12/19/2003	1/15/2003	GJ	Not Approved	Significant comments on drawing S715 and one Calculation comment precludes approval at this time		
			Calcs. 02484-001-06-033, STG Platform 275'-6" -Steel Design									
STRUC-1	3028A	000145	S715-R0, STG Pedestal Access Platform STG Pedestal Access Platform: 1 Letter, 1 Drawing	02/28/02 03/14/02	03/07/03	3/14/2003		GJ	Checker Approved		2	
			Letter: 2/28/03 Response to CBO comments 1/14/03									
			S715-R1, STG Generator Pedestal Access Platform									
STRUC-1	3028B	000152	Circ. Water Pipe with Calc from 3020 Moved to Section 3041 Cir Pipe Support	03/12/03 03/24/03							2	2

**METCAL'S DOCUMENT SUBMITTAL RECORD
CALPINE/BERKAND/CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required	Documents		
				Issued Due	To Checker	From Checker	Response	Plan Check		Status	Submitted	Response
			A133-R1, BOP Elec/Ctrl Bid Typ Roof Penetration Details									
			A140-R1, BOP Elec/Ctrl Bid South & East Elevations									
			A141-R1, BOP Elec/Ctrl Bid North & West Elevations									
			A150-R1, BOP Elec/Ctrl Bid Wall Sections & Partition Types									
			A158-R1, BOP Elec/Ctrl Bid Misc Wall Sections & Details									
			A175-R1, BOP Elec/Ctrl Bid Door & Finish Schedules & Types									
			A180-R1, BOP Elec/Ctrl Bid Typ Door Frame & Louver Details									
			S620-R1, BOP Elec/Ctrl Bid Roof Framing Plan									
			S621-R1, BOP Elec/Ctrl Bid Roof Slab Plan									
			S622-R1, BOP Elec/Ctrl Bid Sections & Details									
STRUC-1	3035	00085	Siemens STG Enclosure	10/15/02 11/04/02							2	0
STRUC-1	3036	00070	CTG Inlet Air Filter & Silence foundation: Calcs 02484-001-06-027 Rev 0 Drawing S220 Rev 0	09/17/02 10/01/02							3	0
STRUC-1	3036	00075	CTG: Drawings & calculations sound Barrier CTG Inlet Calcs 02484-001-06-031 Rev. 0 dated 9/19 Dwg S768 Units 1&2 Rev0 and S769 Units 1&2 Rev 0	09/25/02 10/18/02							9	0
STRUC-1	3036	000129	CTG: Air Filter Housing Structural Steel Calculations and drawings, Siemens / Carlton Eng / Pneumafil Mfg	01/13/03 02/03/03		pending						
STRUC-1	3036	000129	CTG Equipment: Starter Package 1-Calculation 9-Drawings	04/07/03 04/28/03								
STRUC-1	3036	000168	CTG Equipment: Noise Abatement Structure 1 Calculation Booklet	05/07/03 05/28/03	05/22/03	06/03/03	Verify	GJ HK	Not Approved By Checker		4	4
STRUC-1	3037	00072	Pile Load Testing: Lowmeyer's conclusions and Recommendations and the following documents: Pile driving records (for all 27 piles)-PDA results (for all 27 piles)-CAPWAP results (for 24 blows on 14 separate piles)-Pile load test results-Specs 02472 Rev. 1.	09/19/02			Supercedes 3018		A-10/22/02	replaces all of 3018 per transmittal records this submittal is part of 3017 CBO 00073		
STRUC-1	3038	00077	PDC's: Moved to ELECT Section	09/25/02 10/09/02							3	3
STRUC-1	3039	00078	Boiler Feedwater Pump Foundation: Calc 02484-001-06-016 Drawing S320 Rev.0, Section and Details S321 Rev. 0	09/27/02				E. Moran	A-10/31/02		1	
STRUC-1	3040	00082	Drawing S110, Rev 1 & Design Criteria Rev. 1	10/3/2002							1	1
STRUC-1	3041	00090	Circ Water Pipe Support : Dwg S730, Rev. 0 Referred to Calc from STG Platform 3020	10/30/2002	To Check 11/06/02	From Check 11/19/02	To Engineer 01/23/03	JL	Not Approved	Calcs from 3020-00087 STG Platform Major Comment. Watch this one.	27	27
STRUC-1	3028B	000152	Circ Water Pipe Support: 1 Calculation, 1 Drawing Calcs. 02484-001-06-029-R2, STG Platform Foundation Design S730-R1, Cir. Water Pipe Support Frame Plan Sec & Detail	03/12/03							2	2

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R/AND/CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required	Documents			
				Issued Due	To Checker	From Checker	Response	Plan Check		Status	Submitted	Response	
STRUC-1	3042	00092	Pipe Rack Structure: Calcs 02484-001-06-022, Pipe Rack Steel Design, Rev. 0 Drgs S900, S901, S902, S903, S904, S905, S906, S930, S931, S932, S940, S941, S942, S943, S944, S945, S950, S951, S952, S953, S954, S955, S956, S958, S959, S965 Rev 0 dated 10/	10/31/2002	To Checker 12/03/02	From Check 12/09/02	To Engineer 12/20/02	GJ	Not Approved	Major Scope: Significant number of comments need to be resolved	7	7	
STRUC-1	3042	00111	Pipe Rack Foundation and Piles: Drawings & Calculations Pipe Rack Foundations, Calc# 02484-001-06-023 R0, Draw#: S530R0, S540R0, S550R0, S551R0, S552R0, S553R0	11/29/02	To Checker 12/04/02	From Check 12/20/20	To Engineer 12/20/02	GJ-EM	Not Approved	Eng. needs to get pile comment resolved. Remaining comments can be resolved later	5	0	
STRUC-1	3042	000123	Pipe Rack Foundation and Piles: Response to CBO comments, Calc# 02484.001-06-023 Drgs: S540 R1, S552 R1, S553 R1	12/31/2002	1/7/2003	1/21/2003	Recom'd Approve	GJ	Piles Approved	BB to review & prepare comments. Minor comment: Add a note on dwg: 540	4	0	
STRUC-1	3042	000132	Pipe Rack Foundation: New Steel Platforms Calculation 02484-001-06-044-R0, Pipe Rack-Misc. Steel Platform Design Drawing S933-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections	1/17/2002	1/23/2003	2/24/2003		GJ	Not Approved by Checker		30		
STRUC-1	3042	000140	Pipe Rack Steel Structure: 1 Calculation 29 Drawings Drgs: S553R2, S900R1, S901R1, S902R1, S903R1, S904R1, S905R1, S906R1, S930R1, S931R1, S932R1, S940R1, S941R1, S942R1, S943R1, S944R1, S945R1, S946R1, S951R1, S952R1, S953R1, S954R1, S955R1, S956R1, S958R1, S959R1, S965R1, S966R1, S967R1 Calc# 02484-001-06-22-R1	02/06/03	2/28/2003	3/6/2003		GJ	Not Approved by Checker				
STRUC-1	3044	000155	Drawings for Pipe Rack Foundations Drawing S540-R2, Pipe Rack Foundation plan Drawing S550-R1, Pile Cap Details Drawing S551-R1, Pile Cap Details Drawing S552-R2, Pipe Rack Foundation Sections and Detail	03/21/03		Verify and Sand				Find - Need to get to checker	5	0	
STRUC-1	3044	00097	STG Main Step-up Transformer: 1 Calculation, 4 Drawings Calcs 02484-001-06-008 S-567-R0 S-570-R0 S-577-R0 S-578-R0	11/07/02			08/13/03	GJ	Approved		3	3	
STRUC-1	3044	00110	STG Main Step-up Transformer: Drawings / Calcs Calc# 02484-001-06-008 R1 S577R1 S578 R1	11/27/02	12/05/02	12/11/02	12/20/02	GJ-EM	Not Approved	Comments need response from engineer	3	0	

**METCALFE DOCUMENT SUBMITTAL RECORD
CALPINE&AR AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required	Documents		
				Issued Due	To Checker	From Checker	Response	Plan Check		Status	Submitted	Response
STRUC-1	3044	000128	STG Main Step-up Transformer: 1 Letter, 1 Calculation, 2 Drawings	01/08/03	01/14/03	01/16/03	08/13/03	GJ	Approved		1	0
			Letter Response to CBO comments									
			Calcs Calc# 02484-001-06-008 R2									
			S-577-R2									
			S-578-R2									
			STG Main Step-up Transformer: Recap of Current Drawings and Calculations				08/13/03	GJ	Approved			
			Calcs 02484-001-06-008-R2									
			S-567-R0 Pile Design & Layout									
			S-570-R1 Foundation Design									
			S-577-R2 Foundation Sections & Details									
			S-578-R2 Foundation Sections & Details									
STRUC-1	3045	000100	Piles: Concrete-Filled Pipe Piles: Specs 02472-R2	11/08/02							1	0
STRUC-1	3045	000137	Piles: Concrete-Filled Pipe Piles: Specs 02472-R3	01/28/03							2	2
STRUC-1	3046	000102	HRSG: Drawing & Calculations for HRSG Unit 1- Calcs 02481-001-06-006 Mat Foundation for HRSG & Stack for Unit 1 Rev. 1 dated 11/07/02 - S300 HRSG Pile Location Plan, Unit 1 Rev1 Dated 11/07/02	11/07/02 11/29/02	To Checker 11/19/02	Fro Check 11/25/20		GJ-EM		Incomplete	4	4
STRUC-1	3046	000112	HRSG Foundation Drawings - S305, S307, S310, S313	12/03/02 12/24/02	To Checker 12/05/02	Fro Check 12/20/20	To Engineer 12/20/02	GJ-EM	Not Approved	Comments need response from engineer	2	0
STRUC-1	3046	000124	HRSG: Response to CBO Comments and Revised Foundation Plans Dwgs: S305 R2, S310 R2	12/31/02 01/22/03	To Checker 1/07/03	From Check 01/21/03	Approved	GJ	Approved Unstamped			
STRUC-1	3046	000142	HRSG: Foundation 8 Drawings S305-R3 Foundation Plan Unit 1 S306-R1 Foundation Plan Unit 2 S307-R2 Reinforcement Plan Unit 1 S308-R1 Reinforcement Plan Unit 2 S310-R3 Section Details Units 1&2 S311-R1 Section Details Units 1&2 S313-R2 Anchor Details Units 1&2 S315-R0 Equip Foundations Units 1&2	2/10/03 2/21/03	02/20/03	3/4/2003		GJ	Approved By Checker		7	0
STRUC-1	3047	00109	CTG Main Step-Up and Auxiliary Transformer Foundation: 1 Calculation & 6 Drawings:	11/27/02	08/13/03	08/22/03	08/22/03	GJ	Not Approved	Found forgotten package as a result of new package 3059 Iso-Phase Bus Sent to Gang with same package 3059	7	0
			Calc.# 02484-001-06-036-R0									
			S-571-R0 CTG Main SU & Aux Foundation Plan	See 3059								
			S-572-R0 CTG Main SU & Aux Foundation Plan	See 3059								
			S-574-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059								
			S-575-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059								

METCALF DOCUMENT SUBMITTAL RECORD
CALIFORNIA WATER AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required	Documents	
				Issued Due	To Checker	From Checker	Response		Plan Check	Status
				See 3059						
			S-576-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059						
	3051 & 3059		S-579-R0 Station Svc Transf. Found Plan Sects and Details	See 3059						

**METCALFE DOCUMENTS SUBMITTAL RECORD
CALPINE BAR AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required	Documents		
				Issued Due	To Checker	From Checker	Response	Plan Check		Status	Submitted	Response
STRUC-1	3048	00114	Condensate Pump Foundation: Drawing and Calculation, calc# 02484-001-06-038 draw: S290R0	12/06/02 12/27/02	To Checker 1/09/03	01/15/03		GJ	Approved Needs Disposition	Add a note on dwg: 290 spec 1/2" anchor... Solved Not Required	1	0
STRUC-1	3049	00116	CTG Foundation Units 1&2 Drawing S206 R2	12/17/02	To Checker 12/18/02	VERIFY if sent		GJ		This goes with Sub# 3017	1	0
STRUC-1	3050	000119	Manholes & Covers Specification 02607	12/23/02 01/15/03								
STRUC-1	3051	000122	Station Service Transformer Foundations 1 Calculation 2 Drawings Calc# 02484-001-06-037	12/30/02 01/21/03	1/7/2003	1/15/2003	8/13/2003	GJ	Conditionally Approved	Distance between Transformer and wall verify.	3	0
		3059 & 3044	S570 R1 STG Transformer									
			S579 R1 Station Service Transformer Plan, Sections & Details									
STRUC-1	3051	000122	Station Service Transformer Foundations 1 Letter of Explanation	8/20/2003					Approved			
STRUC-1	3052	none	Admin Building: Bechtel 3 Drawings: Dwg A1-8110, Dwg A2-8190, Dwg A5-8110	11/06/01								
STRUC-1	3053	000144	Excitation Transformer Foundation: 1 Drawing 1 Calc: Dwg: S585-R0 Excitation Transformer Foundation Calculation: 02484-001-60-043-R0	02/19/03	03/07/03	VERIFY if sent		GJ			5	0
STRUC-1	3054	000158	Circuit Breaker (CB) Platform for CTGs: 2 Calcs, 3 Dwg: Calculation: Foundation 02484-001-60-025-R0 Calculation: Steel Platform 02484-001-60-048-R0 Dwg: S601-R0 CTG Units 1&2 CB Platform Foundation Dwg: S880-R0 CTG Unit #1 CB Platform Structure Dwg: S881-R0 CTG Unit #2 CB Platform Structure	03/26/03	04/10/03	04/15/05		GJ	Not Approved by Checker	Sent notes directly to BREI taking action	3	0
STRUC-1	3055	000162	Water Tanks: Fire-Water & Demineralized: 1 Calcs, 2 Dwg: Calculation: Tank Foundation 02484-001-06-012-R0 Dwg: S519-R0 Water Tank Pile Layout Dwg: S111-R2 Pile Sect. Details Revised for Tank Piles	4/17/03 4/25/03	04/22/03	04/24/03	04/24/03	GJ	Not Approved	High Priority Review of piles needed Approved based on verbal clarifications		
STRUC-1	3055	000167	Water Tanks: 1 Calcs, 2 Drawg: Calculation:# 02484-001-06-012-R1 Dwg: S519-R1 Demineralized & Firewater Tanks Dwg: S110-R3 Composite Pile Plan	5/02/03 5/10/03	05/06/03	05/15/03		GJ	Checker Approved		2	0

METCALF DOCUMENT SUBMITTAL RECORD CALPINE/B&R AND CBO												
WILLDAN CBO PROJECT NO. 13254												
Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required			Documents	
				Issued Due	To Checker	From Checker	Response	Plan Check	Status	Submitted	Response	
STRUC-1	3056	000164	Ammonia Tank Piles: 1 Calcs, 1 Drwg: Calculation:# 02484-001-06-020-R0 Drwg: S495-R0 Ammonia Tank & Dike Foundation & Pile	4/25/03 5/02/03	04/29/03	05/02/03		GJ	Not Approved by Checker	2	0	

METCALF DOCUMENTS SUBMITTAL RECORD
CALPINE/B&B AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required			Documents		
				Issued Due	To Checker	From Checker	Response	Plan Check	Status	Submitted	Response		
STRUC-1	3057	000165	Gas Compressor Piles: 1 Calcs, 1 Dwg: Calculation# 02484-001-06-049-R0 Dwg: S664-R0 Gas Compressor Foundation & Pile	5/01/03 5/09/03	05/06/03	05/09/03		GJ	Approved Piles Only	Review Completed Piles Approved Pile Cap Not Approved			
STRUC-1	3058	Calpine 00249	Switchyard Dead End Structure by Power Engineers Inc. 1 Calc, 1 Drawing: Calculation# 150312-01 Drawing# C02-1 Rev B	02/10/03		03/18/03	07/17/03	GJ	Conditionally Approved	Piles were approved via email on 3/19/03. Review comments require further action. Clarify Anchor Hardware and Incorporate			
STRUC-1	3059	000165	Isophase Bus Support Foundation: 11 Drawings, No Calcs, No Specs	08/05/03	08/13/03	08/22/03	08/22/03	GJ	Not Approved	Found an overlooked packet that relates to this packet. Found 3047 sent to Gang at same time as this one.			
		See 3029	S-225-R1 CTG #1 Containment Trench										
		See 3029	S-226-R1 CTG #2 Containment Trench										
		3044 / 3051	S-570-R2 CTG Main Step-up Transformer										
		See 3047	S-571-R1 CTG #1 Main Step-up Transformer										
		See 3047	S-572-R1 CTG #2 Main Step-up Transformer										
		See 3047	S-574-R1 CTG Main Step-Up Trans Sections and Details										
		See 3047	S-575-R1 CTG Main Step-Up Trans Sections and Details										
		See 3047	S-576-R1 CTG Main Step-Up Trans Sections and Details										
		3044	S-578-R3 STG Main Step-up Trans Sections and Details										
		3047 / 3051	S-579-R2 Station Service Transformer Foundation Plans										
		New	S-666-R0 Iso Bus Foundation										
STRUC-1	3059	000184	Isophase Bus Support Foundation: 3 Drawings, No Calcs, No Specs	08/13/03				GJ					
			S-170-R1, STG Platform Slab Plan At E1, 295'-0 1/2" (Opr Fir)										
			S-701-R3, STG Platform Framing Plan at E1 at 295'-0 1/2"										
			S-813-R2, STG Platform Steel Sections & Details										
				Summary									
												Total: 543	
												Total: 359	

P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.
D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party
H - On hold by Mortenson/Calpine
R - Reversal of approval pending resolutions from outside agencies.

**METCALF DOCUMENT SUBMITTAL RECORD
CALPINE B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Status	Comments	Documents		
				Issued / Due	To Checker	From Check	Resubmit			Plan Checker	Submitted	Response
MECH-1	4002	000080	Piping System P&IDs: MT-P-2015-AST-001 Rev.1, Amonia Storage MT-P-2079-SSW-001 REV. 1, MT-P-2080-SWS-001 REV.2, MT-P-2081-SWS-002 REV.2, MT-P-2052-FWS-001 REV.2, Fire Water MT-P-2053-FWS-002 REV.2, Fire Water MT-P-2003-GEN-003 REV.0, MT-P-2004-GEN-004 REV.0, MT-P-2005-GEN-005 RE							9		
MECH-1	4002	000086	Waste Water Collection P&ID: 4 Drawings: MT-P-2084-WWC-001- 1 of 4, MT-P-2085-WWC-002- 2 of 4 MT-P-2086-WWC-003- 3 of 4 MT-P-2087-WWC-004- 4 of 4 Rev 1 dated 10/17/02 Circulation Water System: 1 Drawing MT-P-2042-CWS-00- 1 of 3 Rev. 2 Fuel Gas P&ID: 3 Drawings MT-P-2046-FGS-001- 1 of 6, MT-P-2047-FGS-002- 2 of 6 MT-P-2046-FGS-003- 3 of 6 Fire Protection Arrangement: 1 Drawing Dwrg M203-R1	10/21/2002 11/11/2002						8	8	
MECH-1	4002	000149	Fire Protection Arrangement: 1 Drawing Dwrg M203-R1	none					Send to Greg Carr	1	1	
MECH-1	4003	000091	Fire Protection: 1 Spec and 4 Drawing Specification - Fire Risk Evaluation-Rev B M201 General Arrangement Plan at Grade M203 Fire Protection Arrangement MT-P-2052-FWS-001-R2 Fire Water P&ID MT-P-2053-FWS-002-R2 Fire Water P&ID	10/30/2002 11/21/2002				GC			5	5
MECH-1	4003	000139	Fire Protection: 1 Drawing: General Arrangement Plan View M201-R2	01/30/03 02/20/03	02/03/03			HK	New		1	1
MECH-1	4003	000166	Fire Protection 6 Drawing MT-P-2042-CWS-001 Circulating Water System MT-P-2043-CWS-002 Circulating Water System MT-P-2044-CWS-003 Circulating Water System MT-P-2052-FWS-001 Fire Water MT-P-2053-FWS-002 Fire Water	5/11/2003	05/07/03			GC				
MECH-1	4004	000105	Mechanical Design Criteria: Specification #	11/21/02							1	1
MECH-1	4004	000XXX	Drawings Requested By CBO	01/20/03					In review of Fire Protection MTP-2052-FWS-001			
MECH-1	4011	xxxx	Burns & Roe NJ Review: 186 Drawings Various BREI Mechanical Drawings					HK	Refer To Excel Spreadsheet "Audit NJ Brei Dwrgs.xls" For detailed list of documents	283	283	

**METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Status	Comments	Documents		
				Issued / Due	To Checker	From Check	Resubmit			Plan Checker	Submitted	Response
MECH-1	4011	xxxx	Burns & Roe NJ Review: 10 Drawings Various BREI Vendor Mechanical Drawings					HK	Refer To Excel Spreadsheet "Audit NJ Vendor Drwgs.xls" For detailed list of documents	0	0	
MECH-1	4011	xxxx	Burns & Roe NJ Review: 04 Calculations Various BREI Mechanical Calculations					HK	Refer To Excel Spreadsheet "Audit NJ Brei Drwgs.xls" For detailed list of documents	0	0	
MECH-1	4000	Calpine # 387	Cooling Tower Circ Pipe Drwgs: Requested to support RFI review 22 drawings	05/20/00	05/21/03			RS	Approval not required // For Info Only			
MECH-1	4050	000172	Fire Prection Plan: 1 Letter, 0 Calc, 0 Drawings	05/29/03	05/30/03					1		
			Letter 5/29/03, Response to 3 CBO Letters of 3/18/03, 3/19/03, & 4/15/03									
				Status Code:						Total:	291	Total:
A - Approved				P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.								290
I - Accepted as for information only				D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party								
N - Not approved, returned with comments.				H - On hold by Mortenson/Calpine								
C - Approval Conditioned upon submittal of addl. Info or replacement				R - Reversal of approval pending resolutions from outside agencies.								

VECTA GROUNDING SUBMITTAL RECORD
ELECTRICAL, MECHANICAL AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Status	Comments	Documents		
				Issued Due	To Checker	From Checker	Reply			Plan Checker	Submit	Respond
ELEC-1	5001	000046	Electrical Grounding: 21 Drawings, No Calculations:	6/28/2002	xx	xx	05/15/03	BS ES	Approved	BS = Bob Snyder Disposition Dated 5/15/03 Sent via e-mail and Mailed 7-22-03	21	21
			E200-R0	Superseded			07/22/03					
			E201-R0	Superseded								
			E202-R0	Superseded								
			E203-R0	Superseded								
			E204-R0	Superseded								
			E205-R0	Superseded								
			E206-R0	Superseded								
			E207-R0	Superseded								
			E208-R0	Superseded								
			E209-R0	Superseded								
			E210-R0	Superseded								
			E212-R0	Superseded								
			E213-R0	Superseded								
			E214-R0	Superseded								
			E215-R0	Superseded								
			E216-R0	Superseded								
			E217-R0	Superseded								
			E230-R0	Superseded								
			E231-R0	Superseded								
			E232-R0	Superseded								
			E233-R0	Superseded								
ELEC-1	5001	000050	Electrical Grounding: 11 Revised Drawings & 1 Calculation Calculation: 2484-01-07-006 Rev. 1	7/18/2002 8/8/2002	xx	xx	10/22/02	BS ES	A-10/22/02	Disposition Dated 5/16/03 Sent via e-mail and Mailed 7-22-03	12	12
			E201R1				07/22/03					
			E203R1									
			E205R1									
			E207R1									
			E208R1									
			E209R1									
			E210R1									
			E212R1									
			E213R1									
			E215R1									
			E216R1									
			CBO Letter of Concern Regarding Tank Grounding 3 July 2002									
			E209-R1									
			E230-R0									
ELEC-1	5001	000087	Cable Sizing Calcs: Underground: 02484-01-07-011 R0 Above Ground: 02484-01-07-012 R 0	8/30/2002 9/23/2002				ES			2	0
ELEC-1	5001	000150	Underground and Above Ground Cable Sizing Calc: 2 Calculations:	5/11/03 04/02/03	05/29/03	06/11/03		ES	Approved		2	2
			Calculation 02484-01-07-011, R1 Underground Cable Sizing									
			Calculation 02484-01-07-012, R1 Above Ground Cable Sizing									
ELEC-2	5002	000057	Electrical One-Line Drawings 20 Drawings	8/2/2002 8/23/2002		xx	10/09/03	ES	C-10/17/02	Conditionally approved but it was later determined: Drawing E-104 was needed	18	18
			E101, E102, E103, E105, E106, E107, E108, E109, E110, E111, E113, E114, E120, E121, E122, E123, E124, E125 REV 0				02/12/03	ES	Not Approved Sent Comments	Second review after receiving E-104 reveals significant comments	0	18
ELEC-2	5002	000104	Electrical Single-Line Drawing Draw: E-104 R1 sent in response to 2/12/03 letter	11/14/02	11/20/02		02/11/03	ES	Not Approved	Significant Number of comments sent to B&R via E-mail	1	1
			Electrical Single-Line Drawings: E126B, E126A, E130B, E131B, E132B, E133A, E134A, E140A, E141B, E142B, E143A, E160R0, E161R0, E160A, E161A, E164A, E165A, E168A					ES		These drawings were obtained by CBO at plant around mid-November. Elias prepared some comments. Drawings are preliminary and not for release and not officially submitted, so comments are being held by CBO.		
ELEC-2	5002	000151	Electrical One-Line Drawings: 1 Letter, 23 Drawings	03/13/03	04/07/03	04/29/03	05/02/03	ES	Approved	Approval of two previous submittals this subject: CBO# 1000037 and CBO# 000104	24	24

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Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments	Documents			
				Issued Date	To Checker	From Checker	Reply		Plan Checker	Status	Submit	Respond
			E101-R1, Electrical Symbols Sheet 1									
			E102-R1, Electrical Symbols Sheet 2									
			E103-R2, Electrical Symbols Sheet 3									
			E104-R2, Key One Line Diagram									
			E105-R1, Electrical Main One Line Diagram CTG #1									
			E106-R1, Electrical Main One Line Diagram CTG #2									
			E107-R1, Electrical Main One Line Diagram STG									
			E108-R2, 4160V Switchgear Bus 001A & 001B									
			E109-R2, 4160V Switchgear Bus 001A, One Line Diagram									
			E110-R2, 4160V Switchgear Bus 001B, One Line Diagram									
			E111-R2, 4160V Switchgear Bus 001B & STRY, Gen.									
			E113-R2, 4160V Cooling Tower MCC 011A									
			E114-R2, 4160V Cooling Tower MCC 011B									
			E120-R2, 480V Switchgear Bus 001A One Line Diagram									
			E121-R2, 480V Switchgear Bus 001B One Line Diagram									
			E122-R2, 480V Switchgear Bus 002A One Line Diagram									
			E123-R2, 480V Switchgear Bus 002B One Line Diagram									
			E126-R1, 480V Balance of Plant Units: 1-00-ELA-MC-021A									
			E130-R1, 480V HRSRG #1 MCC 1-01-ELA-MC-014A									
			E131-R1, 480V HRSRG #2 MCC 1-02-ELA-MC-014B									
			E132-R1, 480V Essential Svcs MCC 1-00-EGS-MC-001									
			E133-R1, 480V Water Treatment 1-00-ELA-MC-022A									
			E134-R1, 480V Water Treatment 1-00-ELA-MC-022B									
ELEC-1	5003	000074	55 Drawings: E354, Rev 0, E300, E316, E319, E322, E323, E324 E328, Rev. 1 E371, E376, E377, E378, E379, E381 E382, E383, E384, E385, E386 Rev 0 E301, E302, E303, E304, E305, E306, E307, E308, E310, E311 E312, E313, E316, E317, E329, E330, E331, E332, E333, E336 E337, E341, E342, E343, Rev. 0 E350, E351, E352, E353, E360, E362, E363 E384, E370, E374, E375 Rev. 1 deleted 8/23 E314, E320, E327, E328, E370, Rev 2 Electrical Design Criteria: 4 Drawings (spec sheets) SD-E-004-GEN-000 Legend SD-E-004-GEN-001 Tray SD-E-004-GEN-002 Duct Bank SD-E-004-GEN-003 Notes Underground Conduit and Duct Banks: 1 Letter, 1 Spec, 3 Reports Letter Response to CBO comments of 12/17/02. Specification 1611B Manhole and Ducts Cable Schedule Raceway Report Cable Length Report Underground Conduit and Duct Banks: 1 Letter, Follow-up Clarification	08/20/02	09/30/02	12/12/02	Response 12/17/02	ES	Conditional Approval Not Stamped	Major Scope Resulting a significant number of comments that need to be resolved by the engineer. Response by engineer in CBO-00130 makes possible to approve conditionally	55	55
ELEC-1	5004 (5003)	000121	Manhole Rollout Details: 8 Drawings E374 Electrical Manhole Rollout Details Sh 1 E375 Electrical Manhole Rollout Details Sh 2 E376 Electrical Manhole Rollout Details Sh 3 E377 Electrical Manhole Rollout Details Sh 4 E378 Electrical Manhole Rollout Details Sh 5 E379 Electrical Manhole Rollout Details Sh 6	12/27/02 01/20/03	To Checker 1/07/02	05/12/03	05/13/03	ES	Accepted	Accepted for info Only comments provided	4	4
ELEC-1	5003	000130	Manhole Rollout Details: 8 Drawings E374 Electrical Manhole Rollout Details Sh 1 E375 Electrical Manhole Rollout Details Sh 2 E376 Electrical Manhole Rollout Details Sh 3 E377 Electrical Manhole Rollout Details Sh 4 E378 Electrical Manhole Rollout Details Sh 5 E379 Electrical Manhole Rollout Details Sh 6	01/15/02 02/05/03	01/30/03		05/08/03	ES	Approved		5	5
ELEC-1	5003	000188	Manhole Rollout Details: 8 Drawings E374 Electrical Manhole Rollout Details Sh 1 E375 Electrical Manhole Rollout Details Sh 2 E376 Electrical Manhole Rollout Details Sh 3 E377 Electrical Manhole Rollout Details Sh 4 E378 Electrical Manhole Rollout Details Sh 5 E379 Electrical Manhole Rollout Details Sh 6	08/28/03	08/29/03			ES	Information Only			
ELEC-1	5003	000170	Manhole Rollout Details: 8 Drawings E374 Electrical Manhole Rollout Details Sh 1 E375 Electrical Manhole Rollout Details Sh 2 E376 Electrical Manhole Rollout Details Sh 3 E377 Electrical Manhole Rollout Details Sh 4 E378 Electrical Manhole Rollout Details Sh 5 E379 Electrical Manhole Rollout Details Sh 6	5/16/03 5/20/03	05/19/03	05/29/03	06/11/03	ES	Approved		6	6

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Status	Comments	Documents	
				Issued Due	To Checker	From Checker	Reply			Plan Checker	Submit
ELEC-1	5003	000189	Embedded Conduit & Duct Banks: 74 Drawings	5/14/03	05/19/03	05/28/03	08/11/03	ES	Approved	74	74
			E300 U/G Conduit Drawing Layout								
			E301 U/G Conduit Overall Site Plan								
			E302 U/G Conduit Plant Unit 1 Step-Up XFMR area								
			E303 U/G Conduit Plant Unit 1 Step-Up XFMR area								
			E304 U/G Conduit Plant Unit 2 Step-Up XFMR area								
			E306 U/G Conduit Plant CTG Unit 1 Area								
			E307 U/G Conduit Plant Unit 1 & 2 North Access Area								
			E308 U/G Conduit Plant CTG Unit 2 Area								
			E310 U/G Conduit Plant CTG Unit 1 Area								
			E311 U/G Conduit Plant Unit 1 & 2 North Access Area								
			E312 U/G Conduit Plant CTG Unit 2 Area								
			E313 U/G Conduit Plant Steam Turbine Area								
			E314 U/G Conduit Plant CTG Unit 1 Area								
			E315 U/G Conduit Plant Unit 1 & 2 North Access Area								
			E316 U/G Conduit Plant CTG Unit 2 Area								
			E317 U/G Conduit Plant Steam Turbine Area								
			E318 U/G Conduit Plant HRSRG Unit 1 Area								
			E319 U/G Conduit Plant East Pipetrack Area								
			E320 U/G Conduit Plant HRSRG Unit 2 Area								
			E321 U/G Conduit Plant Steam Turbine Area								
			E322 U/G Conduit Plant HRSRG Unit 1 Area								
			E323 U/G Conduit Plant East Pipetrack Area								
			E324 U/G Conduit Plant HRSRG Unit 2 Area								
			E325 U/G Conduit Plant Steam Turbine Area								
			E326 U/G Conduit Plant CTG Unit 1 Area								
			E327 U/G Conduit Plant CTG Unit 1 Area								
			E328 U/G Conduit Plant HRSRG Unit 2 Area								
			E329 U/G Conduit Plant East Pipetrack Area								
			E330 U/G Conduit Plant HRSRG Unit 1 CEMS Area								
			E331 U/G Conduit Plant HRSRG Unit 2 CEMS Area								
			E332 U/G Conduit Plant HRSRG Unit 2 CEMS Area								
			E333 U/G Conduit Plant Water Treatment Area								
			E335 U/G Conduit Plant Admin/Ctrl Rm/Warehouse Area								
			E336 U/G Conduit Plant Admin/Ctrl Rm/Warehouse Area								
			E337 U/G Conduit Plant Water Treatment Area								
			E339 U/G Conduit Plant Admin/Ctrl Rm/Warehouse Area								
			E340 U/G Conduit Plant Admin/Ctrl Rm/Warehouse Area								
			E341 U/G Conduit Plant Cooling Tower Area								
			E342 U/G Conduit Plant Cooling Tower Area								
			E343 U/G Conduit Plant Switchyard Area								
			E344 U/G Conduit Plant Water Treatment Area								
			E345 U/G Conduit Plant Water Treatment Area								
			E346 U/G Conduit Plant Water Treatment Area								
			E347 U/G Conduit Plant Water Treatment Area								
			E348 U/G Conduit Plant Water Treatment Area								
			E349 U/G Conduit Plant Water Treatment Area								
			E350 CTG Unit 1 Embedded Conduit Plan - Sh 1								
			E351 CTG Unit 1 Embedded Conduit Plan - Sh 2								
			E352 CTG Unit 1 Embedded Conduit Plan - Sh 3								
			E353 CTG Unit 1 Embedded Conduit Sections - Sh 1								
			E354 CTG Unit 1 Embedded Conduit Sections - Sh 2								
			E355 U/G Conduit Plant Admin/Ctrl Rm/Warehouse Area								
			E356 U/G Conduit Plant Admin/Ctrl Rm/Warehouse Area								
			E357 Cooling Tower Area								
			E358 Units 1 & 2 Step Up XFMR Area								
			E360 CTG Unit 2 Embedded Conduit Plan - Sh 1								

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack No.	CBO No.	Package Title	Review/Approval Dates				Comments	Documents			
				Issued Due	To Checker	From Checker	Reply		Plan Checker	Status	Submit	Respond
			E361 CTG Unit 2 Embedded Conduit Plan - Sh 2									
			E362 CTG Unit 2 Embedded Conduit Plan - Sh 3									
			E363 CTG Unit 2 Embedded Conduit Plan - Sh 1									
			E364 CTG Unit 2 Embedded Conduit Sections - Sh 2									
			E365 U/G Conduit Plan Unit 1 PDC Area									
			E366 U/G Conduit Plan Unit 2 PDC Area									
			E367 U/G Conduit Plan PDC - 5 Cooling Tower Area									
			E370 Duct Bank Installation Details									
			E371 Manhole Installation Details									
			E381 Duct Bank Sections - Sh 1									
			E382 Duct Bank Sections - Sh 2									
			E383 Duct Bank Sections - Sh 3									
			E384 Duct Bank Sections - Sh 4									
			E385 Duct Bank Sections - Sh 5									
			E386 Duct Bank Sections - Sh 6									
			E387 Duct Bank Sections - Sh 7									
			E388 Duct Bank Sections - Sh 8									
ELEC-1	5003	000171	STG Operating Floor & Pedestal Embedded Conduit: 2 Drawings	5/19/03 6/02/03	05/22/03	05/28/03	06/11/03	ES	Approved		2	2
			E368 STG OP FLR Embedded Conduit Plan Sh 1									
			E369 STG OP FLR Embedded Conduit Plan Sh 2									
ELEC-1	3038		PDCs: 8 Drawings: Dwgs E900-R1 Layout E902-R1 CTG Unit 1 E903-R1 CTG Unit 2 E904-R1 HRSG Unit 1 E905-R1 HRSG Unit 2 E906-R1 Cooling Tower Unit 1 E907-R0 Water Treatment Area E914-R0 Bus Layout	09/25/02 10/08/02	02/11/03	02/12/03		ES	Approved Not Stamped	Bar to Finish Disposition	8	0
ELEC-1	5004	000099	Voltage Calcs: Calcs 02484-001-07-002 Load Flow and Voltage Drop, Rev. 0 Calcs 02484-001-07-003 Short Circuit, Rev. 0	11/18/02 11/29/02	1/1/03	4/30/2003	05/13/03	ES	Approved		2	2
ELEC-1	5004	000189	Voltage Calcs: 1 Letter: Follow-up Clarification	08/28/03				ES	Information Only			
ELEC-1	5005	000147	Lighting Plans: 32 Drawings 1 Calculation Calculation #2484-001-07-008 Light & Power Density E146, Panel Schedules CTG Unit #1 E147, Panel Schedules CTG Unit #2 E148, Panel Schedules CEM/HRSG Unit #1 E149, Panel Schedules CEM/HRSG Unit #2 E150, Panel Schedules Cooling Tower E152, Panel Schedules BOP Electrical Control	03/4/03 3/17/03	04/09/03	04/29/03	05/01/03	ES	Approved	Approved with comments	33	33

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates			Status	Comments	Documents	
				Issued Due	To Checker	From Checker			Reply	Plan Checker
			E600, Electrical Lighting Drawing Layout							
			E601, Electrical Lighting Plant Roadway Lighting							
			E602, Electrical Lighting STG BLD GND SH1							
			E603, Electrical Lighting STG BLD GND SH2							
			E604, Electrical Lighting STG BLD GND SH3							
			E605, Electrical Lighting STG BLD MEZZ SH1							
			E606, Electrical Lighting STG BLD MEZZ SH2							
			E607, Electrical Lighting STG BLD MEZZ SH3							
			E608, Electrical Lighting STG BLD Operating SH1							
			E609, Electrical Lighting STG BLD Operating SH2							
			E610, Electrical Lighting STG BLD Operating SH3							
			E611, Electrical Lighting Cooling Tower							
			E612, Electrical Lighting CTG Unit #1 Plan View							
			E613, Electrical Lighting CTG Unit #2 Plan View							
			E614, Electrical Lighting HRSG Unit #1 Plan View							
			E615, Electrical Lighting HRSG Unit #1 East Elvat							
			E616, Electrical Lighting HRSG Unit #1 West Elvat							
			E617, Electrical Lighting HRSG Unit #2 Plan View							
			E618, Electrical Lighting HRSG Unit #2 East Elvat							
			E619, Electrical Lighting HRSG Unit #2 West Elvat							
			E620, Electrical Lighting Pipe Rack & Walkways							
			E651, Lighting Details & Fixture Schedule							
			E652, Lighting Control Diagram PDC 1, 2, 3							
			E653, Lighting Control Diagram PDC-4							
			E654, Lighting Control Diagram PDC-4							
			E655, Lighting Control Diagram STG BLD Electrical room							
ELEC-1	5005	000187	Lighting Plans: 1 Letter of Clarification	8/29/2003	08/29/03		Information Only	No response Required	1	1
ELEC-1	5006	000000	Temporary Power: Dwg# E0.01 Single Line Diagram - Rosendin Electric	02/21/03	02/21/03	03/04/03	ES	not approved	9	Comments to be sent back to Delers
				Total:					270	278

A - Approved
 I - Accepted as for Information only
 N - Not approved, returned with comments
 C - Approval Conditioned upon submittal of addt. info. or replacement

P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.
 D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party
 H - On hold by Mortenson/Calpine
 R - Reversal of approval pending resolutions from outside agencies.

METCALFE DOCUMENT SUBMITTAL RECORD
CALPINE B&B AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates					Comments	Documents		
				Issued Due	To Checker	From Checker	Response	Plan Checker		Status	Submit	Respond
STRUC-1	7001	Calpine Transmittal 00249	Switchyard Structure: 1 Calc, 1 Drawing: Power Engineers Inc. Calculation# 150312-01 Drawing# C02-1 Rev B	03/28/03	05/01/03			GJ	Approved	Sent note saying piles need to be on composite pile plan and submit in full size drawings	2	0
TSE	7002	Calpine Transmittal 00274	Switchyard Plans: 65 Drawings: C01 Foundation Plan EP02 Electrical Assembly Plan EP03-1 Electrical Elevations Sh 1 EP03-2 Electrical Elevations Sh 2 EP04 Fence & Grounding Plan EP05 Fence & Grounding Details EP10-1 Electrical Material List Sh 1 of 2 EP11 Assembly & Crl Bldg Nameplate schedule	03/28/03	05/01/03			ES			65	
TSE	7002		E01 One-Line Diagram E02-1 Relay One-Line Diagram Sh 1 E02-2 Relay One-Line Diagram Sh 2 E03 Three-Line Diagram E04 Three-Line Diagram Circuit Breaker 242 E05 Three-Line Diagram Circuit Breaker 442 E06 Three-Line Diagram Circuit Breaker 232 E07 Three-Line Diagram Circuit Breaker 332 E08 Three-Line Diagram Circuit Breaker 432 E09 Three-Line Diagram 230KV Bus 1 & 2 E10 Station Service AC Panel Schematic E11 Station Service DC Panel Schematic E12 01-03-GSU-XF-301XFMR Differ Relay Schematic E13 Tmal Differ & CB 242 BKR Failure Relay Schematic E14 CB 442 Breaker Failure Relay Schematic E15 01-01-GSU-XF-101 XFMR Differ Relay Schematic E16 Tmal Differ & CB 232 BKR Failure Relay Schematic E17 CB 332 Breaker Failure Relay Schematic E18 01-02-GSU-XF-201 XFMR Differ Relay Schematic E19 Tmal Differ & CB 432 BKR Failure Relay Schematic									
TSE	7002		E20-1 Annunciator Win Layout & Engraving E20-2 Annunciator Schematic Sh 2									
TSE	7002		E20-3 Annunciator Schematic Sh 3 E20-4 Annunciator Schematic Sh 4 E20-5 Annunciator Schematic Sh 5									

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE B&B AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates					Comments	Documents			
				Issued Due	To Checker	From Checker	Response	Plan Checker		Status	Submit	Respond	
TSE	7002		E21-1 Breaker 242 Trip Cir #1 Schematic E21-2 Breaker 242 Trip Cir #2 Schematic E21-3 Breaker 242 Close Cir Schematic E21-4 Breaker 242 Alarm & AUX Schematic E21-5 Breaker 242 Motor, Heater & Receptacle Cir Sch E22-1 Breaker 442 Trip Cir #1 Schematic E22-2 Breaker 442 Trip Cir #2 Schematic E22-3 Breaker 442 Close Cir Schematic E22-4 Breaker 442 Alarm & AUX Schematic E22-5 Breaker 442 Motor, Heater & Receptacle Cir Sch E23-1 Breaker 232 Trip Cir #1 Schematic E23-2 Breaker 232 Trip Cir #2 Schematic E23-3 Breaker 232 Close Cir Schematic E23-4 Breaker 232 Alarm & AUX Schematic E23-5 Breaker 232 Motor, Heater & Receptacle Cir Sch E24-1 Breaker 332 Trip Cir #1 Schematic E24-2 Breaker 332 Trip Cir #2 Schematic E24-3 Breaker 332 Close Cir Schematic E24-4 Breaker 332 Alarm & AUX Schematic E24-5 Breaker 332 Motor, Heater & Receptacle Cir Sch E25-1 Breaker 432 Trip Cir #1 Schematic E25-2 Breaker 432 Trip Cir #2 Schematic E25-3 Breaker 432 Close Cir Schematic E25-4 Breaker 432 Alarm & AUX Schematic E25-5 Breaker 432 Motor, Heater & Receptacle Cir Sch										
TSE	7002	Calpine Transmittal 00274	E26-1 MOD 247 Trip & Close Cir Schematic Sh 1 E26-2 MOD 247 Heater & AUX Cir Schematic Sh 2 E29-1 Switchboard Panel Assembly Sh 1 of 2 E29-2 Switchboard Panel Assembly Sh 2 of 2 E30 Switchboard Panel Assembly Material List E31-1 Switchboard Panel Asmbly Nameplate Sched Sh 1 E31-2 Switchboard Panel Asmbly Nameplate Sched Sh 2										
TSE	7002	Calpine 00492	Underground 230 KV to Switch Yard 2 Drawings one Letter/Email Drwg: P-1 Plan and Profile for 230kv Under Ground Drwg: U-1-1 Detail drawing for 230kv Underground eMail Phase Certification By Dennis Weber 8/26/03	37859.00									
				Status Code					Total:	Total:			
A - Approved				P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.					65	0			
I - Accepted as for information only				D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party									
N - Not approved, returned with comments.				H - On hold by Mortenson/Calpine									
C - Approval Conditioned upon submittal of addt. info. or replacement				R - Reversal of approval pending resolutions from outside agencies.									

020002709



Power Plant CBO Team
Metcalf Energy Center
San Jose, California
Ph: 408-361-4845
Fx: 408-361-4890

August 13, 2003

DISPOSITION

CDICE
AUG 21 2003

Burns and Roe Enterprises, Inc.
200 Crawford Place, Suite 600
Mt. Laurel, New Jersey 08054

Attention: Jim Ferrara
Project Manager

ORIGINAL

RECEIVED

Regarding: CEC Docket No.:
Condition of Certification:
CBO Project No.:

(99-AFC-3)
Struct-1
MEC 13254

AUG 21 2003

**METCALF ENERGY
CENTER**

Subject: Submittal Packet:

3051-000122
Station Service Transformer Foundation
1 Calculation and 2 Drawings

The submittal packet contains the following items:

- Calculation: 02484-001-06-037-R0 Station Svc Transf. Structural Design
- Drawing: S-570-R1 STG Step-Up Transformer Foundation Design
- Drawing: S-579-R1 STG Station Svc Transf. Foundation Sections & Details

The CBO has reviewed the above referenced submittal and provides the following disposition conditioned on the following note:

APPROVED - Conditionally

Note: The calculation on Page 5 requires a 3 ft clearance around the transformer. However, the proposed pit dimensions do not satisfy this requirement. Please verify this requirement or revise.

Sincerely,

Hans Kosten

For: Donald C. Wimberly, P.E.
Delegate Chief Building Official
Willdan / AIMS Corp.

By: Hans (G.J.) Kosten
Deputy CBO
Willdan / AIMS Corp.

Copy: Nick LaPorte – Calpine
Kristen O’Kane – Calpine
Steven Fischer – Calpine

Barbara Hatt – Calpine (Document Control)
Gang Jiao – Willdan, Anaheim
Cherene Lindley – Willdan (posting)



Power Plant CBO Team
Metcalf Energy Center
San Jose, California
Ph: 408-361-4845
Fx: 408-361-4890

August 21, 2003

DISPOSITION

Burns and Roe Enterprises, Inc.
200 Crawford Place, Suite 600
Mt. Laurel, New Jersey 08054

Attention: Jim Ferrara
Project Manager

Regarding: CEC Docket No.: (99-AFC-3)
Condition of Certification: CIVIL-1
CBO Project No.: MEC 13254

Subject: Submittal Packet: 2004-000146
Phase 2 Grading Plans
4 Drawings

The CBO has reviewed the above referenced submittal packet and provides the following dispositions based on individual drawings:

Drawing: C-071-R0 Revised Rough Grading Plan	Approved (with Notes)
Drawing: C-072-R0 Phase 2 Drainage Plan	Approved - Conditionally
Drawing: C-073-R0 Foundation Schedule	Approved (with Notes)
Drawing: C-074-R0 Crane Staging Area Plan	Accepted for Information Only

Drawings that are "Approved - Conditionally" will require a response in the form of a letter of explanation or a drawing revision. Drawings that are "Approved with Notes" do not require a response. And, drawings "Accepted for Information only" do not fit into the CBO purview and a response is not required. The attachment contains the conditions and notes.

Sincerely,

Hans Kosten

For: Donald C. Wimberly, P.E.
Delegate Chief Building Official
Willdan / AIMS Corp.

By: Hans (G.J.) Kosten
Deputy CBO
Willdan / AIMS Corp.

Copy: Nick LaPorte – Calpine
Kristen O’Kane – Calpine
Steven Fischer – Calpine

Barbara Hatt – Calpine (Document Control)
Cherene Lindley – Willdan (Posting)
Ralph Sellers – Willdan / AIMS Corp.



Power Plant CBO Team
Metcalf Energy Center
San Jose, California
Ph: 408-361-4845
Fx: 408-361-4890

DISPOSITION - Attachment

August 21, 2003

Burns and Roe Enterprises, Inc.
Mt. Laurel, New Jersey 08054

Attention: Jim Ferrara
Project Manager

Subject: Submittal Packet: 2004-000146
Phase 2 Grading Plans

The following conditions and notes are provided to supplement the attached disposition.

1. Drawing: C-071-R0 Revised Rough Grading Plan: Approved (with Notes)

On the asphalt paving detail, provide a depth dimension for the Cal-Trans Class 2 Material. If covered in a specification, clarify.

2. Drawing: C-072-R0 Phase 2 Drainage Plan: Approved - Conditionally

Regarding Typical Manhole / Catch Basin Detail, provide a "minimum" dimension of 24" for the manhole casting lid size. This is a code requirement.

Regarding the manhole shaft body, connections shown with tongue and groove type connections typically require grout or 'Ram-Nek' material. Rubber gasket is not typically used in this instance.

Regarding the manhole culvert pipes, provide a dimension or note, which indicates that the first joint is no more than 2-feet from the side of the manhole.

A note indicates that there is a Type 1 manhole detail in addition to the Type 2 manhole shown. Provide information to locate the Type 1 manhole detail.

Drawing C-072-R0 - Conditions of Approval:

- A. Clarify the comments above. If there is a specification for Manholes / Catch Basins that covers the aforementioned comments, it needs to be indicated on the drawing and provided to the CBO for review and approval.
 - B. Please confirm whether the two Bechtel drawings mentioned in Notes 3 and 5 will be "Issued for Construction" by either Calpine or Burns & Roe.
3. Drawing: C-073-R0 Foundation Schedule: Approved (with Notes)

Please verify the elevation of 251' 3" for Item 3A Bottom of Footing.

End of Disposition Attachment

CR0002751

File 13.1.2

ORIGINAL



Power Plant CBO Team
Metcalf Energy Center
San Jose, CA 95134
Ph: (408) 463-6032 Fax: (408) 463-6079

28 August 2003

RECEIVED

SEP 02 2003

**METCALF ENERGY
CENTER**

Calpine
Metcalf Energy Center
1 Blanchard Road
San Jose, CA 95013

Attn.: Steve Fischer, Deputy R.E.

**CBO Comment on Fire Submittal Issues
Metcalf Energy Center**

Don Wimberly, Hans Kosten, and I met today to further discuss some of the major issues discussed during our fire protection meeting on 11 August 2003. The following outcomes of our discussions today are provided to you for your action and information, as applicable:

1. Calpine must provide the name and resume of the responsible fire protection or mechanical engineer (with valid California PE) that it has designated to be responsible for the fire protection work on this project. The CBO will need to review and approve that person. The CBO will thereafter communicate with that person on fire protection issues.
2. With respect to the CBO's previous request for the Fire Prevention and Protection Plan (FPPP), the CBO has reviewed the Fire Protection & Risk Evaluation (FREPE) document submitted to the CBO by Calpine last year, and determined that there is sufficient information in the FREPE to provide an understanding of the scope of the fire protection systems to be installed on this project. A FPPP will not be required at this time. Calpine should note, however, that fire protection system component design reviews will be required by the CBO. No later than 30 days before the date of issuance of the Certificate of Occupancy, Calpine will be required to submit the final approved FPPP to the CBO. Note that this 30-day requirement is not for the first draft, but the final

approved FPPP. Therefore Calpine is to have commenced work on the FPPP and completed CBO reviews of the drafts in advance of the above 30-day date.

3. In the meeting on 11 August 2003, the CBO stated that certain issues would have to be resolved by Calpine submitting a request for "variance" to the CBO. The use of the term "variance" needs to be explained as follows: The CBO is not permitted by CEC Conditions of Certification and its Memorandum of Understanding to allow a non-compliance with code requirements. The CBO can, pursuant to CBC 104.2.7 and 104.2.8, accept engineering analysis that demonstrates and documents alternate means for satisfying code requirements. These "equivalencies" to code requirements will be considered by the CBO, and approved or disapproved on the CBO's sole discretion. Calpine may submit documentation of engineering analysis for code alternates or equivalencies in cases pursuant to the above CBC sections.

4. With regard to the proximity of the Fire Pump House (a critical safety facility) and the Gas Compressor Enclosures, Calpine must demonstrate to the CBO how the requirements of CBC Section 503.4.5, et sec, regarding separation of H1 occupancies, is met, as well as the requirements of NFPA 20. This is in addition to the other explanations the have been previously requested by the CBO with regard to explosion and fire protection of the Fire Pump House and the Gas Compressor Enclosures.

5. Calpine's position on the fire pump capacity not needing to be 4500 gpm must be explained by an appropriate engineering analysis submitted to the CBO.

6. All other issues discussed in the 11 August 2003 meeting still need to be addressed in submittal(s) to the CBO.

Please advise the CBO when the final fire protection submittal(s), as discussed in the 11 August 2003 meeting, will be provided to the CBO for review.

For: Donald C. Wimberly, P.E.
Delegate Chief Building Official



Greg Carr, P.E.
Fire Protection Coordinator

CC: Don Wimberly, CBO
Hans Kosten, CBO
Bart Brierty, CBO